IN THE UNITED STATES PATENT AND THANK OFFICE

In Re Application of:

Herman Chien

Confirmation No.: 6102

Application No: 09/665,780

Filing Date: September 20, 2000

For: SUBSCRIPTION-BASED BILLING METHODS AND SYSTEMS FOR

Frame(s) 0295.

SHARED NETWORK MODEM POOLS

VIA HAND DELIVERY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR § 3.73(b)

Cingul	ar Wireless, II, LLC, a limited liability company
states	that it is:
\boxtimes	the assignee of the entire right, title, and interest; or
	an assignee of an undivided part interest
in the	patent application/patent identified above by virtue of either:
A. 🗌	An assignment from the inventor(s) of the patent application/patent identified above.
	1. The assignment was recorded in the Patent and Trademark Office at Reel, Frame(s).
	2. The assignment has not yet been recorded. A copy of the assignment is attached.
	A chain of title from the inventor(s), of the patent application/patent identified above, current assignee as shown below:
	From: Herman Chien To: AT&T Wireless Services, Inc. The

document was recorded in the Patent and Trademark Office at Reel 011155

- ii. From: New Cingular Wireless Services, Inc. (f/k/a AT&T Wireless Services, Inc.) To: Cingular Wireless, II, LLC. The document was sent to the United States Patent and Trademark Office for recordation on September 27, 2005. A copy thereof is attached
- Additional documents in the chain of title are listed on a supplemental sheet.
- Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: May 1, 2006

Signature

Name: Christopher M. Arena

Reg. No.: 35,429

Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia, PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

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DOCKET NO.: CING-0615/768.US



PATENT

IN THE UNITED STATES PATENT AND TO DEMARK OFFICE

In Re Application of:

Confirmation No.: 6102

Herman Chien

Application No.: 09/665,780 Group Art Unit: 2643

Filing Date: September 20, 2000 Examiner: Nguyen, Duc Minh

For: SUBSCRIPTION-BASED BILLING METHODS AND SYSTEMS FOR

SHARED NETWORK MODEM POOLS

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

POWER TO INSPECT AND MAKE COPIES

The undersigned is the Attorney or agent of record registration no 35,429 hereby authorizes Mary I. Watson and Christina Mraz to inspect, monitor and make copies of the file history of the above-identified application.

Respectfully submitted

Christopher M. Arena Registration No. 35,429

Date: May 1, 2006

Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

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PATENT

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states that it is:
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in the patent application/patent identified above by virtue of either:
A. An assignment from the inventor(s) of the patent application/patent identified above.
1. The assignment was recorded in the Patent and Trademark Office at Reel , Frame(s) .
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OR B. \(\sum \) A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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Reg. No.: 35,429

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MAY 0 4 2006

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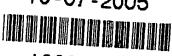
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any and all pa	atent applicat	to represent the undersigned be tions assigned <u>only</u> to the under cordance with 37 CFR 3.73(b).	fore the United State signed according to	es Patent and the USPTO as	Trademark Office (L ssignment records or	JSPTO) in con r assignment d	nection with locuments
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This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

Form PTO-1595 (RED 09/04) OMB No. 0651-0027 (ext .103096422 To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(les)/Execution Date(s): Name: Cingular Wireless II, LLC. AT&T Wireless Service, Inc. Internal Address: Suite 1700 Execution Date(s) 10/27/2005; 4/11/2005 Street Address: 5565 Glennidge Conn. Additional name(s) of conveying party(les) attached? 3. Nature of conveyance: Merger City: Atlanta_ Security Agreement Change of Name State: Georgia **Government Interest Assignment** Zip: 30342 Country: <u>usa</u> Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Yes Vo Other 4. Application or patent number(s): This document is being filed together with a new application. B. Patent No.(s) A. Patent Application No.(s) See Attached Sheets See Attached Sheets Additional numbers attached? Yes 6. Total number of applications and patents 5. Name and address to whom correspondence concerning document should be mailed: involved: Name: Cinquiar Wireless, LLC 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 20.520 Authorized to be charged by credit card Internal Address: Attn: Linda Giles ✓ Authorized to be charged to deposit account #1725A **Enclosed** Street Address: 5565 Glenridge Connector None required (government interest not affecting title) 8. Payment Information City: Atlanta a. Credit Card Last 4 Numbers Zip: 30342 State: Georgia **Expiration Date** Phone Number: 404-236-6720 b. Deposit Account Number 502450 Fax Number:_ Authorized User Name Coulter C. Henry Email Address: linda.alles@cinqular.com 9. Signature: 9/27/2005 Signature Total number of pages including cover Coulter C. Henry: Reg. No.: sheet, attachments, and documents: Name of Person Signing

Patents

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			10/941805

Patent Applications

10/941247

10/933677

10/940576

10/939103

29/213592

10/367981

T-618 P.013/016 F-530

Execution Copy

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT ("Assignment") is executed by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") f/k/a AT&T Wireless Services, Inc., on the one hand, and Cingular Wireless II, Inc., a Delaware corporation ("Assignee"), on the other hand.

WHEREAS, Assignor is the owner of certain patentable inventions, patent applications and patents (as disclosed and set forth in Schedule A; collectively, the "Patents"), which Assignor desires to assign to Assignee; and

WHEREAS, Assignee desires to accept such assignment of the Patents.

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

- 1. Assignment of Patents. Effective as of the date hereof, Assignor assigns, transfers and conveys to Assignee, its successors, assigns and legal representatives, all of Assignor's right, title and interest in and to the Patents, all agreements and contracts of Assignor related to such Patents (the "Related Agreements") and the improvements and inventions disclosed in said Patents throughout the world, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions and improvements in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries. Assignor authorizes and requests the Commissioner of Patents and Trademarks and any foreign registrar or governmental authority to issue all patents on said applications or applications resulting therefrom to said Assignee, as assignee of Assignor's entire interest. Assignor agrees that it will communicate to said Assignee or its representatives any facts known to Assignor respecting said improvements and inventions. and, at Assignee's expense, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said Patents in all countries, and asserts that it will not execute any agreements inconsistent therewith. Assignee acknowledges that Assignor's assignment of any jointly owned Patent identified on Schedule A shall be subject to any rights such joint owner may have in such Patent.
- 2. Assumption. Effective as of the date hereof, Assignee hereby assumes the due and full payment and performance of all of the liabilities and obligations of Assignor under the Related Agreements.
- 3. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the United States of America and of the State of Delaware.

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- 4. <u>Successors and Assigns</u>. This Assignment shall inure to the benefit of and be binding on the successors and assigns of both parties.
- 5. Patents Subject to Consent. To the extent that any of the Assignor's right, title or interest in and to the Patents or any other rights, contracts, agreements or assets of the Assignor related thereto and/or liabilities or obligations of Assignor purported to be assigned hereunder may not be assigned, transferred or conveyed to, or assumed by, Assignee without the consent, release, authorization or waiver of any third party and such consent, release, authorization or waiver has not been obtained prior to the date hereof (such Patents and other rights, contracts, agreements and assets, the "Non-Transferable Patents" and such liabilities and obligations, "Non-Transferable Liabilities"), this Assignment shall not constitute an assignment, transfer, conveyance or assumption or an attempted assignment, transfer, conveyance or assumption thereof. In this circumstance, this Assignment shall to the extent possible under the Non-Transferable Patent and applicable law constitute an equitable assignment by Assignor to Assignee of all of Assignor's right, title and interest in and to, the Non-Transferable Patents and Assignee shall be deemed to be Assignor's agent for the purpose of paying, performing or discharging the Non-Transferable Liabilities on behalf of Assignor. Assignor shall take all actions reasonably requested by Assignee to provide Assignee with the benefits of the Non-Transferable Patents, including with respect to the enforcement of rights with respect thereto. Assignee shall, with respect to the Non-Transferable Liabilities, pay, perform or discharge in accordance with their terms all liabilities and obligations of Assignor under the Non-Transferable Liabilities. If Assignor is unable to effect an equitable assignment of any Non-Transferable Patent, Assignor shall transfer to Assignee an amount of cash equal to the fair market value (determined as of the date of this Assignment) of such Non-Transferable Patent.

[signatures on following pages]

Execution Copy

Executed this 27 4 day of October, 2004.

Assignor: NEW CINGULAR WIRELESS SERVICES, INC. f/k/a
AT&T Wireless Services, Inc.

Ву:

Name: Stephen A. Y.

Title: Vice P

APPROVED:

STATE OF GEORGIA
COUNTY OF Fulton

On this $\underline{\mathcal{I}}$ day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared $\underline{\mathcal{S}}$ to $\underline{\mathcal{S}}$ known by me to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:

Sherry of Garret

SHERRY L. GARRETT - NOTARY PUBLIC

County of DeKalb



State of Georgia

My Commission Expires Oct. 16, 2005

Execution Copy

Acknowledged this 27 th day of October, 2004.

Assignee: CINGULAR WIRELESS II, INC.

KEPROVED:

STATE OF **COUNTY OF**

On this 27 day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared Stephen Mc Gaw known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

SHERRY L. GARRETT - NOTARY PUBLIC

Sherry of Harrett

County of DeKalb

State of Georgia

My Commission Expires Oct. 16, 2005

Schedule A

Patents

• All inventions and trade secrets and related rights of Assignor not otherwise listed below

Docket	Application	Patent	Cwnor	Country	Application Date	Grant Date	Title
Number	Number	ISCHIDE!		Soloto President	45. hip.05	10-Jun-97	Antenna for Enhanced Radio Coverage
145.US	08/490563	5638081	AT&T Wireless	United States	Scaling 1		
31 677	30/041775	D383463	AT&T Wireless	United States	07-Jun-95	09-Sep-97	Antenna
148.03	2714067		AT&T Wireless	European Patent Convention	06-Oct-94	·	Antenna Mounting System
149.EPC	92902367		SOCIONIAN TOTA	Linited States	06-Jun-95	24-Jun-97	Antenna Mounting System
149.US	1965220	5641141	AIGI WIIGIGSS	2000			Arrangement of Displays
			Solosiwi TOTA	United States	23-Sep-94	13-Jan-98	for a Wireless Communications Terminals
150.US	29/024956	D389140	Alai Wiididaa		0 - 1	17 Oct 05	Wireless Communications Terminal
153.US	29/024955	D363281	AT&T Wireless	United States	23-Jun-94	20-11	Personal Communicator
			ATRT Wireles	United States	26-Nov-97	01-Jul-03	With Flip Element Display
154.US.C2	08/979110	007/869	אומו אוויפוס		80		Personal Communicator Personal Communicator With File Flement Display
154.US.C2(1)	10/455125		AT&T Wireless	United States	05-Jun-03		High Rate Reed-Solomon
							Concatenated Trellis
							System for Transmission of
							Data Over Cellular Mobile
			000100111111111111111111111111111111111	Brozil	22-Nov-95	17-Feb-04	Radio
155.BR	PI9509749-0	P19509749-0	Alai Wireiess	17010			High Rate Reed-Solomon
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Title	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star OAM System for Transmission of	Radio	High Kate Keed-Solomon Concatenated Trellis Coded 16 Star QAM	System for Transmission of Data Over Cellular Mobile	High Rate Reed-Solomon	Concatenated Trellis Coded 16 Star OAM System for Transmission of Data Over Cellular Mobile	Radio	Cyclic Trellis Coded Modulation	Cyclic Trellis-Coded Modulation	Cyclic Trellis-Coded Modulation	System and Method for Wireless Transmission of	Digital Data Using Differentially Encoded Pilot	Words	Differentially Encoded Pilot Word System and Method					
Grant Date	<u> </u>	16-Mar-00 R	Ē Ŏ Ŏ		H-Boy-er		17-Nov-98 R	13-Apr-04 N	25-May-00 N	07-Oct-97 N	03-Aug-99 N	21-Jul-98 N	25-May-99 N	10-Jun-03				17-Jul-03	
Application Date		22-Nov-95			23-NOV-94		06-May-97	22-Nov-95	22-Nov-95	23-Nov-94	09-Jul-97	11-Dec-95	17-Nov-95	04-Jan-02	07-May-03			22-Nov-95	22-Nov-95
Country Name		Mexico			United States		United States	Brazil	Mexico	United States			Brazil	Canada					
Owner		AT&T Wireless			AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless			AT&T Wireless	AT&T Wireless
Patent Number		195559			5659578		5838728	paliem	406647	190041	5931965	5784417	5907565	GE79173	2/19/00			P19509910-7	
Application Number		9703830			08/344156		-626907	7.80		9703031	08/840111	0000000	08/581477	000000	10/038030	10/454565		P19509910-7	2203902
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Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title
Number	Number	iagiina iagiina					for Wireless Transmissions of Digital Data
							System and Method for Wireless Transmission of Digital Data Using Differentially Encoded Pilot
467 147	0703833	105560	AT&T Wireless	Mexico	22-Nov-95	16-Mar-00	Words
VM. /CI	2000016		Spokes Milw FOTA	Inited States	23-Nov-94	15-Sep-98	Differentially Encoded Pilot Word System and Method for Wireless Transmissions of Digital Data
157.US	08/344238	SECTION	A 1 & 1 Williams			·	Location Registration System for a Personal Communicator Such as a
177 DF	566582	69128727.9	AT&T Wireless	Germany	31-Oct-91	14-Jan-98	Cellular Telephone
							System for a Personal Communicator Such as a
177.DK	92900021.4	566582	AT&T Wireless	Denmark	31-Oct-91	14-Jan-98	Legiorar Leiephone
			-		•		System for a Personal Communicator Such as a
177 EB	92900021.4	566582	AT&T Wireless	France	31-Oct-91	14-Jan-98	Cellular Telephone
41.17	11000000						=
			200101111	Great Britain	31-Oct-91	14-Jan-98	Communicator Such as a Cellular Telephone
177.GB	92900021.4	566582	AIGI WIIGIGSS	500			Location Registration
				· .			System for a Personal Communicator Such as a
177 SF	566582	566582	AT&T Wireless	Sweden	31-Oct-91	14-Jan-98	Location Registration
10:31				·		.*	System for a Personal Communicator Such as a
		00007	AT&T Wireless	Spain	31-Oct-91	14-Jan-98	Cellular Telephone
177.SP	266582	2112303					System for a Personal
		· ·		Laited Ctates	31-04-90	23-Mar-93	Communicator Such as a Celtular Telephone
177.US	07/606523	5197092	Al&i Wireless	Olinco Danio			Powered Down Selection
			AT&T Wireless	Canada	21-Oct-96	17-Apr-01	of a Preferable Wireless Communications Service Provider in a Multi-Service
206.CA	2188334	2188334	Alai Wildiess	200			

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Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title	· ·
Number	Number	Number					Provider Environment	
							Powered Down Selection	c
							of a Preferable Wireless	
							Communications Service	-
				European Patent			Provider in a Multi-Service	
י סם מענ	08120004 S	779751	AT&T Wireless	Convention	12-Dec-96	10-Dec-03	Provider Environment	1
200.ET.C	30120004.3	19191					Powered Down Selection	<u> </u>
							of a Preferable Wireless	···
			-				Communications Service	
				Ciction Oritoin	12.Dec-06	10-0-03	Provider in a Multi-Service Provider Environment	
206.GB	96120004.5	779751	A I & I WIREIESS	Gleat Distail	06-20-71	2000	Powered Down Selection	ڃ
					-		of a Preferable Wireless	
			-				Communications Service	g
							Provider in a Multi-Service	
200	666990	20000	AT&T Wireless	Mexico	09-Dec-96	06-Jul-01	Provider Environment	1
206.MX	300233	202300	2000				Powered Down Selection	۶ ۶
			-				of a Preferable Wireless	
				,			Communications Service	 8 .
							Provider in a Multi-Service	
208 118	. 2080257090	6298235	AT&T Wireless	United States	12-Dec-95	10-100-Z0	Provider Environment	1
£00.00	700000						Powered Down Selection	5 9
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							Communications service	<u> </u>
				-			Provider in a month-serv	 §
208118.03	1065658		AT&T Wireless	United States	14~Jun-99		Provider Environment	1
							Powered Down Selection	
							Communications Service	
							Provider in a Multi-Service	vice Sign
				1 Inited States	28-Nov-00	30-Oct-01	Provider Environment	
206.US.C2	-25322	6311064	Al&i Wireless	COUNCE CHARGE			Memory Exceed	<u>:</u>
							Notification for Wireless	
		-					Network Communication	 8
000	070666		AT&T Wireless	Brazil	09-Jun-97		Device	abla
207.BK	97,000,00						Memory Exceed	· · · ·
				•			Notification for Wireless	2 8
			20010-041 TOTA	Mexico	09-Jun-97		Device	
207.MX	981350		AIGI WIREISS	- Andrew			Memory Exceed	
	1000		AT&T Wireless	Cooperation	09-Jun-97		Notification for Wireless	SS
207.PCT	PC1/US9//10095		ממומיות הוכי				 .	
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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Treaty			Network Communication Devloe
				1	22. lm. 97	24-Aug-00	Memory Exceed Notification for Wireless Network Communication Device
207.TW	86108772	114335	AT&T Wireless	I alwaii			Memory Exceed
				Policy States	07-Mar-00	30-Sep-03	Notification for Wireless Network Communication Device
207.US.C1	09/519993	6628935	Alái Wireless	Ollifed Oraco			Landline-Supported Private
					42 Dec-07	08-Sep-99	Base Station for Collecting Data and Switchable Into a Cellular Network
209.TW	86118807	103007	AT&T Wireless	iawan	12-000-21		Landline-Supported Private
							Base Station for Collecting Data and Switchable Into a
		10000	AT&T Mirelese	United States	17-Dec-96	02-Jan-01	Cellular Network
209.US	08/768371	6169895	Algi Wildias				Telephone System Having
				;			Landline-Supported Private Base Station Switchable Into Cellular Network
210.BR	9710989-4		AT&T Wireless	Brazil	24-JUII-87		Telephone System Having
							Landline-Supported Private Base Station Switchable
		250000	AT&T Wireless	Canada	24~Jun-97	18-Mar-03	Into Cellular Network
210.CA	2259273	6178677					Landline-Supported Private
				European Patent	24_ lun_97		Base Station Switchable Into Cellular Network
210.EPC	97930213		AT&T Wireless	Convenience			Telephone System Having
							Base Station Switchable
				- Lange	24~Jun-97		Into Cellular Network
210.JP	10-504243		A1&1 WITERESS	Japan			Telephone System Having
							Rase Station Switchable
				Media	24_hm-97		Into Cellular Network
210.MX	990238		AT&T WIreless	Mexico			Telephone System Having
							Landline-Supported Private Base Station Switchable
	964700078	03482	AT&T Wireless	Taiwan	24-Jun-97	16-Jul-98	Into Cellular Network
Z10.1W	07000100	30405			•		

Docket	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title
3107	08/671746	6035103	AT&T Wireless	United States	28-Jun-96	07-Mar-00	Telephone System Having Landline-Supported Private Base Station Switchable Into Cellular Network
211.CA	2195494	2195494	AT&T Wireless	Canada	20-Jan-97	24-Apr-01	Roaming Authorization System
241 FPC	97101730 A		AT&T Wireless	European Patent Convention	04-Feb-97		Roaming Authorization System
21118	1951340	6411807	AT&T Wireless	United States	05-Feb-96	25-Jun-02	Roaming Authorization System
211.US.C1	10/051713	6560455	AT&T Wireless	United States	17-Jan-02	06-May-03	Roaming Authorization System
213.CA	2195487	2195487	AT&T Wireless	Canada	20-Jan-97	15-Oct-02	Location-Dependent Cellular Service Profile
213.US	08/603290	5950125	AT&T Wireless	United States	20-Feb-96	07-Sep-99	Location-Dependent Cellular Service Profile
218 BR CP1	.74447		AT&T Wireless	Brazil	20-Feb-97		Method and Apparatus for Determining the Location of a Mobile Telephone
218.CA.CP1	2195591	2195591	AT&T Wireless	Canada	21-Jan-97	04-Sep-01	Method and Apparatus for Determining the Location of a Mobile Telephone
218.MX.CP1	971205	200820	AT&T Wireless	Mexico	17-Feb-97	09-Feb-01	Method and Apparatus for Determining the Location of a Mobile Telephone
218.US	08/472082	5732354	AT&T Wireless	United States	07-Jun-95	24-Mar-98	Method and Apparatus for Determining the Location of a Mobile Telephone
218.US.CP1	08/603793	5724660	AT&T Wireless	United States	20-Feb-96	03-Mar-98	Method and Apparatus for Determining the Location of a Mobile Telephone
221.CA	2191143	2191143	AT&T Wireless	Canada	25-Nov-96	16-May-00	Radio Telephone With Detachable Pager
221 US	08/576385	5854984	AT&T Wireless	United States	21-Dec-95	29-Dec-98	Radio Telephone With Detachable Pager
							Method and Apparatus for Indicating to a Wireless Network the Operational Mode of a Wireless
223.CA	2219366		AT&T Wireless	Canada	04-Dec-96		Communicator

ket Application Patent Number Owner ber Number Owner se944746.5 AT&T Wireless E g694776.5 AT&T Wireless M c 96120011 AT&T Wireless U c 966230 200025 AT&T Wireless E c 966230 200025 AT&T Wireless E c 966230 200025 AT&T Wireless C cc 966230 20015 AT&T Wireless C cc 966230 20025 AT&T Wireless C cc 966230 20025 AT&T Wireless C cc 966230 20025 AT&T Wireless C	Separation								
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Docket	Application /	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner				Environment
							A Method for Selecting a
						•	Wireless Communications
							Service Provider in a Multi-
			-			•	Service Provider
			ATPT Wireless	United States	28-May-02	03-Aug-04	Environment
224.US.C2C1(1)	10/154856	6771961	Alai Wireless				A Method for Selecting a
						i	Wireless Communications
					•		Service Provider in a muiu-
							Service Provider
	1		AT&T Wireless	United States	25-May-04		Environment
224.US.C2C1(2)	-603471		200				Method and Apparatus for
						000	Storing Activation Data in a
	100000	E074244	AT&T Wireless	United States	28-Jul-97	26-Oct-99	Celiular Telephone
225.US.C1	08/90162/	.33/4311					Method and Apparatus for
			····			:	Storing Activation Data in a
!		6660903	AT&T Wireless	United States	24-Dec-98	18-Nov-03	Cellular l elephone
225.US.C2	2/8612/60	ceoncoo					Method and Apparatus for
							Storing Activation Data III a
		6748200	AT&T Wireless	United States	09-Aug-01	08-Jun-04	Cellular Telephonie
225.05.03	1902/33	01 10200					Storing Activation Data in a
			-		22 Mac Od		Cellular Telephone
225.US.C4	10/805247		AT&T Wireless	United States	-0-IDIAI-77		Mothod and Apparatus for
					•	00	Metrico and Apparates in
	1,000,0	2102017	AT&T Wireless	Canada	07-Aug-96	US-Apr-uz	Speculin Analysis
226.CA	7182812	7102017			42 May 00	24-lun-03	Method and Apparatus for Spectrum Analysis
226.US.C1	09/439015	6584175	AT&T Wireless	United States	20 101-31		Dynamically Selecting a
					1		Wireless Network Offering
			ATRT Wireless	Canada	16-Oct-97		a Desiled Selvice i cerca
232.CA	2274517		Algi Widdas				Dynamically
				European Patent	70 00 01		Communicator
222 EDC	97954673.6		AT&T Wireless	Convention	19-00-97		Dynamically
436.E.C			 				Reconfigurable Wireless
			AT&T Wireless	Japan	16-Oct-97		Communicator
232.JP	-100135		510			,	Dynamically Dynamically Wireless
				Linited States	30-Apr-96	06-Oct-98	Communicator
01.000	00/04/638	5810173	AT&T Wireless	Office Delica	20 10 10 10 10 10 10 10 10 10 10 10 10 10		

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Number 34424	רמוכווו	Outro	Name	Date	Date	201
84424	Number	CWIIGH				Armrest Cradle for
84424						Electronic Communications
84424	7077070	AT&T Wireless	Canada	29-Aug-96	24-Oct-00	Amrest Cradle for
•	2184424	300				Flectronic Communications
				41.Sen-96		Handset
239633/1996		AT&T Wireless	Japan	20 400-11		Armrest Cradle for
						Electronic Communications
	70000	AT&T Wireless	Mexico	22-Oct-96	23-Dec-00	Handset Armrest Cradle for
965014	Z000Z4					Electronic Communications
			11-it of Chatee	30-Oct-95	02-Feb-99	Handset
08/550130	5865503	AT&T Wireless	Onlied States			Customer Activation
		-				System for Cellular
		AT&T Wireless	Canada	12-Nov-96		Customer Activation
2190045		2000				System for Cellular
				05.Dec.06	24-Sep-03	Network
96119565.8	69630100.8	AT&T Wireless	Germany	02-020-00		Customer Activation
			Furnnean Patent		,	System for Cellular
•.	-	AT&T Wireless	Convention	05-Dec-96	24-Sep-03	Network
96119565.8-2412	778716	AIGH WHOISE				Customer Activation
			European Patent	06 Dec. 08		Network
2016254 7		AT&T Wireless	Convention	02-080-00		Customer Activation
30.10334.1						System for Cellular
	·-		11011	05.Dec.06	24-Sep-03	Network
06440555 B	778716	AT&T Wireless	Great Britain	00-00-00		Customer Activation
20000						System for Cellular
•		AT&T Wireless	Hong Kong	05-Dec-96		Customer Activation
4103133.8						System for Cellular
				90 000		Network
00071000		AT&T Wireless	Japan	02-020-00		Customer Activation
324896/1996						System for Cellular
,			-	16.hm-03		Network
2003-170351		AT&T Wireless	Japan			Customer Activation
						System for Cellular
		ATRT Wireless	Mexico	28-Nov-96	07~Jan-04	Cietamer Activation
965918	2183/2	2000				System for Cellular
			And the state of t	05-Dec-96	24-Sep-03	Network
96119565.8	778716	AT&T Wireless	Nemenano			

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70 01 100	00,000	6400445	ATRT Wireless	United States	19-lut-00	03-Dec-02	Network
233.03.01	03/018100	0480443	Scolo IVI	2000 2000			Customer Activation
				-			System for Cellular
					22 4:15 03	70 700	Notice Concession
235.US.C1(1)	10/226755	6725033	AT&T Wireless	United States	23-AUG-02	*0-104-02	Network
							Customer Activation
		\					System for Cellular
235.US.C1(2)	10/814574		AT&T Wireless	United States	31-Mar-04		Network
,					-	•	Cordless Cellular System
236.CA	2231452	2231452	AT&T Wireless	Canada	06-Sep-96	25-Jun-02	Base Station
							Cordless Cellular System
236.CA.D1	2323253		AT&T Wireless	Canada	06-Sep-96		Base Station
							Cordless Cellular System
236.CA.D2	2335283		AT&T Wireless	Canada	06-Sep-96		Base Station
							Cordless Cellular System
236.CA.D3	2335275		AT&T Wireless	Canada	96-Sep-96		Base Station
			L	European Patent	•		Cordless Cellular System
236.EPC	96930783.4		AT&T Wireless	Convention	96-deS-90		Base Station
				European Patent			Cordless Cellular System
236.EPC.D1	2077853.6		AT&T Wireless	Convention	06-Sep-96		Base Station
			-	Furneau Patent			Cordless Cellular System
יים שנים	2077062 0		AT&T Wireless	Convention	96-Sep-96		Base Station
230.EFC.U2	2011032.0						Cordless Cellular System
236.HK1	3103379.2	-	AT&T Wireless	Hong Kong	13-May-03		Base Station
226 HK2	3403378 3		AT&T Wireless	Hong Kong	13-May-03		Cordless Cellular System
230.FINE	5100010						Cordless Cellular System
01 966	0.542754		AT&T Wireless	Japan	06-Sep-96		Base Station
430.3 F	9-315731						Cordless Cellular System
236 MY	081820	202590	AT&T Wireless	Mexico	06-Sep-96	22-Jun-01	Base Station
Z30.mZ	20106				•	10	Cordless Cellular System
236.US	-260934	5675629	AT&T Wireless	United States	08-Sep-95	0/-Oct-9/	Base Station
236 LIS D2/1)	10/279866	6681118	AT&T Wireless	United States	25-Oct-02	20-Jan-04	Cordless Cellular System
220.00.02(1)	10/226/20	6811602	AT&T Wireless	United States	04-Sep-02	26-Aug-03	Cordless Cellular System
230.03.D3(1)	10/2000	201100		Linited States	22-Aug-03		Cordless Cellular System
236.US.D3(2)	10/647105		A I & I WITEIESS	United States	An-Rou-77		Method for Allocating a
230.00	2261027	2261927	AT&T Wireless	Canada	11-Jul-97	18-Nov-03	Mobile Station TMSI
455.CJ	7701077						

Docket Number 239.EPC	Application	ביינים ביינים					
Number 239.EPC		Nimbor	Owner	Name	Date	Date	Title
239.EPC	Number	Number		European Patent	11~hul-97		Method for Allocating a Mobile Station, TMSI
	97934931.3		AT&T Wireless	COLINGINOI			Method for Allocating a
			AT&T \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Mexico	11~Jul-97	18-Dec-01	Mobile Station TMSI
239.MX	990960	205708	ALGI WIIGIGSS				Method for Allocating a
1 C C C C	700007	94590	AT&T Wireless	Taiwan	15-Jul-97	11-Sep-98	Mobile Station TMSI
239.1W	16660100	2000			90	21-Mar-00	Method for Allocating a Mobile Station TMSI
239.US	08/688626	6039624	AT&T Wireless	United States	Z9-301-30		Method and Apparatus for
				<u>.</u>	10.00-96	16-Mar-00	Wireless Communication System Organization
243.AU	75470/96	713550	AT&T Wireless	Australia	26.290		Method and Apparatus for
					17.000-96		Wireless Communication System Organization
243.BR	9606032		AT&T Wireless	Diazii			Method and Apparatus for
			. :	7	10 Mov. 06	24-Oct-00	Wireless Communication System Organization
243.CA	2190552	2190552	AT&T Wireless	Canada	06-404-01		Method and Apparatus for
				,		200	Wireless Communication
243 CB	9625564.1	2308952	AT&T Wireless	Great Britain	08-Dec-86	00-Ivial -00	Method and Apparatus for
243.00							Wireless Communication
				lodia	22-Nov-96		System Organization
243.IN	2096/MAS/96		Al&i Wireless	BIRTH			Method and Apparatus for
					40 Doc-08		System Organization
243.JP	338822		AT&T Wireless	Japan	20000		Method and Apparatus for
				octob	21-Dec-95	02-Mar-99	Wireless Communication System Organization
243.US	08/575974	5878328	AT&T Wireless	Ollifed States			Concurrent Ringing on Multiple Network
				Tohion	24-, lim-97	05-Jul-99	Telephones
246.TW	86108830	101482	AT&T Wireless	Idiwaii			Concurrent Ringing on Multiple Network
				1 Inited Chates	27lin-96	11-Jun-02	Telephones
246.US	08/669805	6405041	AT&T WIreless	OIIIIGO OBIGO		·	Concurrent Ringing on Multiple Network
			A TOTAL SALES	I Inited States	15-Apr-02	24~Jun-03	Telephones
246.US.C1	10/123466	6584317	Alga Wildiess				Packet Data Transmission Using Dynamic Channel
27.78	2238552	2238552	AT&T Wireless	Canada	22-Nov-96	14-Dec-99	Assignment

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Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title	
241	06030744.3		AT&T Wireless	European Patent	22-Nov-96		Packet Data Transmission Using Dynamic Channel Assignment	nission annel
247.EFC	984220	205488	AT&T Wireless	Mexico	22-Nov-96	13-Dec-01	ΙĒ	ansmission Channel
247 DCT	DCT// 1S06/18743		AT&T Wireless	Patent Cooperation Treaty	22-Nov-96		Packet Data Transmission Using Dynamic Channel Assignment	mission annel
247 US	08/563816	5790551	AT&T Wireless	United States	28-Nov-95	04-Aug-98	Packet Data Transmission Using Dynamic Channel Assignment	mission annel
							Method and Apparatus for Providing	atus for
							Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information	a Updated mation
248.BR	384115		AT&T Wireless	Brazil	19-May-97		Manager	
							Method and Apparatus for Providing	atus for
							Services Based on a Subscriber Profile Updated	a Updated
248 CA	2228169	2228169	AT&T Wireless	Canada	19-May-97	18-Feb-03	by a Personal Information Manager	manon
							Method and Apparatus for Providing Telecommunication Services Based on a	atus for
J02 070	07026602.3		AT&T Wireless	European Patent Convention	19-May-97		by a Personal information Manager	matton
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di 876	10-500600		AT&T Wireless	Japan	19-May-97		Manager Manager	5
		200	AT&T Wireless	Mexico	19-May-97	09-Jun-03	Method and Apparatus for Providing Telecommunication Services Based on a	atus ror n a
248.MX	980829	214649	AIGI WIIGIGSS	200				

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							Method and Apparatus for Providing
			:				Telecommunication
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			ATOT Mireless	Nowav	19-May-97		Manager
248.NO	19980461		Alai Wileiess	in the second			Method and Apparatus for
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							Services Based on a
				Patent			Subscriber Profile Updated
				Conneration			by a Personal Information
!			AT&T Wireless	Treaty	19-May-97		Manager
248.PCT	PC1/US9//08455		2000				Method and Apparatus for
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							Services Based on a
							Subscriber Profile Updated
						. !	by a Personal Information
			ATET Wireless	Taiwan	30-May-97	18-Jun-98	Manager
248.TW	86107435	93010	Alar Wildias				Method and Apparatus for
							Providing
٠							Services Based on a
					•		Subscriber Profile Updated
				•		00 V	Manager Information
248115	888849	5933778	AT&T Wireless	United States	04-Jun-90	SS-Anu-co	Method and Apparatus for
							Maintaining Channel
							Priority in a Multiple
				. :	,		Wireless Communication System Fryironment
250 BR	9706555		AT&T Wireless	Brazil	11-dun-9/		Method and Apparatus for
					<u> </u>		Maintaining Channel
	·						Priority in a Multiple
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40.000	2037507	2227507	AT&T Wireless	Canada	11~UUL-9/	22-Vall PUE	O Second Control of the Control of t

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521-May-03	
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		Number	Owner				A Method for Selecting a
							Preferable Wireless
							Communications Service
							Provider in a Multi-Service
		1	20010-2011-10-14	Crost Britain	12-Dec-96	21-May-03	Provider Environment
252.GB	96120010.2	779753	AIGI WIRBESS	\dagger			A Method for Selecting a
							Preferable Wireless
							Communications Service
							Provider in a Multi-Service
	•		440-1411-141	Mavico	09-Dec-96		Provider Environment
252.MX	966232		A I & I WIRBIESS				A Method for Selecting a
							Preferable Wireless
							Communications Service
							Provider in a Multi-Service
	-			1 Inited Chatee	12.Dec.05	09-Jul-02	Provider Environment
252.US	08/570904	6418318	AT&T Wireless	United States	12-090-21		A Method for Selecting a
							Preferable Wireless
							Communications Service
							Provider in a Multi-Service
	÷			Cotol Class	40 Mar 02	24-A110-04	Provider Environment
252118 04	10/000044	6782259	AT&T Wireless	United States	19-IMAI-02	S Route	A Method for Selecting a
£32.03.01	20000						Preferable Wireless
							Communications Service
							Provider in a Multi-Service
				1 Inited States	26-May-04		Provider Environment
252.US.C1(1)	mailed		Ala Wireless	000000000000000000000000000000000000000			A Method for Selecting a
		-	_				Wireless Service Provider
		-					in a Multi-Service Provider
							Environment Using a
				- aparacy	21-Oct-96	06-Aug-02	Geographic Database
253.CA	2188333	2188333	A I & I WITEIESS	Callada			Method for Selecting a
							Wireless Service Provider
•		-					In a Multi-Service Provider
							Environment Using A
		-		Cormony	12-Dec-96	16-Jun-04	Geographic Database
253.DE	69632713.908	779752	Al&i Wireless	Collinary			Method for Selecting a
							Wireless Service Provider
						٠.	in a Multi-Service Provider
			- -	European Patent			Environment Using A
			A TO T (A/(-)/A/	Convention	12-Dec-96	16-Jun-04	Geographic Database
253.EPC	96120005.2	779752	AIG! WIEGESS				A Method for Selecting a
							Wireless Service Provider
•			-		90 00	02_tut_01	Environment Using a
253 MX	966231	202750	AT&T Wireless	Mexico	DA-DAC-RO	200.00	

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Geographic Database
·							A Method for Selecting a Wireless Service Provider In a Multi-Service Provider Environment Using a
253.US	08/570903	5905955	AT&T Wireless	United States	12-Dec-95	18-May-99	Geographic Database
	2282443	2282443	AT&T Wireless	Canada	03-Feb-98	14-Oct-03	Wireless Communication Service Management
255.EPC	98904684.2		AT&T Wireless	European Patent Convertion	03-Feb-98		Wireless Communication Service Management
255.MX	997818	210069	AT&T Wireless	Mexico	03-Feb-98	02-Sep-02	Wireless Communication Service Management
255.TW	87101700	106908	AT&T Wireless	Taiwan	09-Feb-98	12-Jan-00	Wireless Communication Service Management
255.US	08/810959	6167261	AT&T Wireless	United States	27-Feb-97	26-Dec-00	Wireless Communication Service Management
256.CA	2244682	2244682	AT&T Wireless	Canada	11-Aug-98	30-Mar-04	Wireless Communication Device With Call Screening
256.US	08/909387	6567671	AT&T Wireless	United States	11-Aug-97	20-May-03	Wireless Communication Device With Call Screening
256.US.D1	10/406912		AT&T Wireless	United States	02-Apr-03		Wireless Communication Device With Call Screening
				•			Method for Determining Organization Parameters in a Wireless Communication
	16648/97	749334	AT&T Wireless	Australia	01-Apr-97	24-Oct-02	System Method for Determining
					20 1757 03		Organization Parameters in a Wireless Communication
5	1,001		2000		**************************************		Method for Determining Organization Parameters in
	126070		AT&T Wireless	Brazil	27-Mar-97		a Wireless Communication System
							Method for Determining Organization Parameters in a Wireless Communication
	2199310	2199310	AT&T Wireless	Canada	06-Mar-97	23-Apr-02	System

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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Name			Method for Determining
							Organization Parameters in
	·						a Wireless Communication
!		22440420	AT&T Wireless	Great Britain	01-Apr-97	11-Oct-00	System Mathod for Determining
258.GB	9706533.8	73181162					Metrico tol Determining
•					•		Organization ralanteers
							a Wireless Communication
			ATOT Minglace	India	04-Apr-97		System
. 258.IN	717/MAS/97		Alai Wildiess				Method for Determining
			•				Organization Parameters in
							a Wireless Communication
					04-Apr-97		System
258.IP	85443/1997		AT&T Wireless	Japan	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Method for Determining
							Organization Parameters in
	•				;	44 000 00	System System
	110000000	6406700	AT&T Wireless	United States	04-Apr-96	17-Dec-02	Mothod for Determining
258.US	08/628214	0430100		-			Occapitation Parameters in
							a Wireless Communication
			-	1000	25 Eab 02		System
258 1 IS D2	10/082402		AT&T Wireless	United States	20-ren-02		Method and System for
20:00:05							Automatic Activation of a
				. !!	15-Jul-97		Wireless Device
260.BR	1992490		AT&I Wireless	Diazil			Method and System for
				•			Automatic Activation of a
				Canada	03-301-97	12-Jun-01	Wireless Device
260.CA	2209528	2209528	Al&I Wireless	200100			Method and System for
		•		European Patent		-	Automatic Activation of a
			A TOT Missione	Convention	26-Jun-97		Wireless Device
260.EPC	97304542		Alai Wireress				Method and System for
				<u>``.</u>	-		Automatic Activation of a
			A T O T 18/5-010-0	nenel	16-Jul-97		Wireless Device
260.JP	190864/1997		Atori Wildias				Method and System for
				~		:	Automatic Activation of a
	-	007100	ATRT Wireless	Mexico	08-Jul-97	14-Mar-02	Wireless Device
260.MX	975114	207169	אומומווא ואונע				Method and System for
					-		Automatic Activation of a
			A TOTALISE	Norway	08-Jul-97		Wireless Device
260.NO	19973158		AIGH WILEIGSS	7			Method and System for
		-				:	Automatic Activation of a
		70000	AT&T Wireless	Taiwan	09-Jul-97	16-Nov-98	Wireless Device
260.TW	86109681	10808	5				Automotic Activation of a
						00 00	Wireless Davice
	7	5056836	AT&T Wireless	United States	16-Jul-96	56-dac-17	

	8	ej.	80	8	8	<u>8</u>		<u> </u>	8	Γ	용.	. 8	T			— 8	Γ	 e		3			— 、 衆		٠.	ළ	. 欠	1	ğ
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Title	TDMA Messaging Service Microcell	TDMA Messaging Service Microcell	TDMA Messaging Service	TDMA Messaging Service	TDMA Messaging Service	TDMA Messaging Service Microcell	Method for Optimal	Providers in a Wireless	Communications Service	Method for Optimal	Selection Among Multiple	Communications Service	Environment	Selection Among Multiple	Providers in a Wireless	Communications Service	Method for Optimal	Selection Among Multiple	Providers in a Wireless	Environment	Method for Optimal	Selection Among Multiple	Communications Service	Environment	Method for Optimal	Selection Among Multiple Providers in a Wireless	Communications Service	Environment	Method and Apparatus for
Grant Date	01-Jun-04				23-Feb-99				10-Dec-02				0/-Jan-03						-					18-Sep-98			.•	01-Dec-98	01-Jan-02
tion																				٠.			÷				٠.		
Application Date	02-Jun-97	02-Jun-97	02-Jun-97	02-Jun-97	28-Jun-96	09-Oct-98			24-Jun-97				24-Jun-97			24-Jun-97			_	14-Dec-98				24-Jun-97				28-Jun-96	19-Sep-97
Country Name	Canada	European Patent Convention	Japan	Mexico	United States	United States		٠	Brazil		•		Canada	-	+ m 0 + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Convention				Japan		_		Taiwan		. '		United States	Canada
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless			AT&T Wireless				A I & I WIreless			AT&T Wireless		-		AT&T Wireless				AT&T Wireless			,	AT&T Wireless	AT&T Wireless
Patent Number	2259329				5875187				9710455-8		-		2259230											94720				5845198	2215819
Application Number	2259329	97927794.4	10-504109	990211	08/672769	09/168919			9710455-8				0526527	-		97932326 B				10-504316				86108823			-	08/672907	2215819
Docket Number	262.CA	262.EPC	262.JP	262.MX	262.US	262.US.C1		·	263.BR			40	203.CA			283.EPC				263.JP			٠.	263.TW				263.US	265.CA

40.1	Application	Patent		Country	Application	Grant	Title
Number	Number	Number	Owner	Name	Date		Providing a Caller ID Alias
							Method and Apparatus for
		970070	AT&T Wireless	Mexico	06-Oct-97	13-Dec-02	Providing a Caller ID Alias Method and Apparatus for
65.MX	977677	212046		0.000	. 40.40	29-Jan-02	Providing a Caller ID Alias
65.115	2007953	6343120	AT&T Wireless	United States	20-20-00		Detection of Fraudulently
		407848	AT&T Wireless	Taiwan	19-Jan-98	31-Jan-00	Registered Mobile Phones
266.TW	87100564	010701			70 001 70	14-Sep-99	Registered Mobile Phones
28 LIC	-65895	5953652	AT&T Wireless	United States	Z4-7011-37		Method and System for
20:00							Delivering a Voice Mail
							Using Cellular Phone
					40 Ans 07	21-Dec-99	Network
20102	08/838613	6006087	AT&T Wireless	United States	is not on		Method and System for
203.03							Delivering a Voice Mail
							Notification to a Subscriber
							Using Cellular Tilone
			coolerns Fers	United States	29-Nov-99	09-Jul-02	Network
269 LIS C1	09/448904	6418307	AIGI WITEIESS				Method and System is
20000							Delivering a voice mail
							Notification to a Sussement
							Using Central Lines
			20010211417-07-0	United States	15-May-02		Mothod and System for
269.US.C2	10/147408		Alai wiididaa				Delivering a Short-
				<i>:</i>	00 10 10		Message Notification
			AT&T Wireless	Canada	27-UCI-90	-	Method and System for
270.CA	2251589			troton and			Delivering a Short
				European Falsin	25. Nov. 98		Message Notification
•	7 07700700		AT&T Wireless	Convention	20-1001-02		Method and System for
270.EPC	98122142./						Delivering a Short
			•		30-Nov-98		Message Notification
	0040043		AT&T Wireless	Mexico			Method and System for
270.MX	801045						Delivering a Stroll
				1 Inited States	02-Dec-97	07-Oct-03	Message Normation
9	470851	6630883	AT&I Wireless	Damie			Personal Información
270.03	10001-					_	Manager IO Opeausy c
	•				•		Subscriber Profile
	-		ATRT Windless	Brazil	19-May-97	1	Personal Information
272.BR	384268		Aldi Wilding				Manager for Updating a
	-			-	19-Mav-97	12-Sep-00	Telecommunication
272 CA	2228139	2228139	AT&T Wireless	Canada			
212.21							

Docket Application Number Patent Number Country Name Number Number Number Number 272.EPC 97825647.6 European Pazzento 272.JP.D1 2002-258849 AT&I Wireless Luropean Pazzento 272.MX 980830 205256 AT&I Wireless Mexico 272.MX 980830 205266 AT&I Wireless Norway 272.MX 980830 20526 AT&I Wireless Norway 272.MX 980830 20526 AT&I Wireless ITeaby 272.MX 98010431 92856 AT&I Wireless ITeaby 272.LW 86107431 92856 AT&I Wireless United State 281.BR 9803891-5 AT&I Wireless United State 281.CA 2249895 AT&I Wireless Canada 281.CA 2249895 AT&I Wireless Canada								
1 2002-258849 AT&T Wireless C 97925647.6 AT&T Wireless C 980830 205256 AT&T Wireless C PCT/US97/08510 AT&T Wireless C AT&T WIRELE C AT&T	Docket	Application	Patent Number	Owner	Country	Application Date	Grant Date	Title
1 2002-258849 AT&T Wireless C 990830 205256 AT&T Wireless D PCT/US97/08510 AT&T Wireless D 86107431 92856 AT&T Wireless D 86777 5903845 AT&T Wireless D 9803891-5 AT&T Wireless AT&T Wireless AT&T Wireless D								Subscriber Profile
97925647.6 12002-258849 980830 205256 AT&T Wireless 19980460 PCT/US97/08510 AT&T Wireless PCT/US97/08510 B6107431 92856 AT&T Wireless 9803891-5 AT&T Wireless					European Patent	20		Personal Information Manager for Updating a Telecommunication Subscriber Profile
2002-258849 AT&T Wireless J 980830 205256 AT&T Wireless P 19980460 AT&T Wireless P PCT/US97/08510 AT&T Wireless B6107431 92856 AT&T Wireless A	72.EPC	97925647.6		Algi Wileiess				Personal Information Manager for Updating a
980830 205256 AT&T Wireless P 19980460 AT&T Wireless P PCT/US97/08510 AT&T Wireless B6107431 92856 AT&T Wireless B6777 5903845 AT&T Wireless AT&T Wireless B003891-5 AT&T Wireless AT&T WIRELE	72.JP.D1	2002-258849		AT&T Wireless	Japan	04-Sep-02		Telecommunication Subscriber Profile
19980460 AT&T Wireless PCT/US97/08510 AT&T Wireless B6107431 92856 AT&T Wireless B6777 5903845 AT&T Wireless AT&T Wireless B603891-5 AT&T Wireless	72.MX	980830	205256	AT&T Wireless	Mexico	19-May-97	16-Nov-01	Personal information Manager for Updating a Telecommunication Subscriber Profile
PCT/US97/08510 AT&T Wireless 86107431 92856 AT&T Wireless 86777 5903845 AT&T Wireless 9803891-5 AT&T Wireless 2249895 AT&T Wireless	72.NO	19980460		AT&T Wireless	Norway	19-May-97	·	Personal Information Manager for Updating a Telecommunication Subscriber Profile
86107431 92856 AT&T Wireless 86777 5903845 AT&T Wireless 9803891-5 AT&T Wireless 2249895 AT&T Wireless	779 PCT	PCTA IS97/08510		AT&T Wireless	Patent Cooperation Treaty	19-May-97		Personal Information Manager for Updating a Telecommunication Subscriber Profile
86777 5903845 AT&T Wireless 9803891-5 AT&T Wireless 2249895 2249895 AT&T Wireless	WT 27	86107431	92856	AT&T Wireless	Taiwan	30-May-97	99-Jun-98	Personal Information Manager for Updating a Telecommunication Subscriber Profile
9803891-5 AT&T Wireless 2249895 AT&T Wireless	. 811 224	86777	5903845	AT&T Wireless	United States	04-Jun-96	11-May-99	Personal Information Manager for Updating a Telecommunication Subscriber Profile
2249895 AT&T Wireless	281.BR	9803891-5		AT&T Wireless	Brazil	96-100-60		Method for Providing Remote Emulation of the Functionality of a Private Exchange for Brauding
	281.CA	2249895	2249895	AT&T Wireless	Canada	86-12O-60	26-Mar-02	Remote Emulation of the Functionality of a Private Exchange
281.EPC 98308224.9 Convention	281.EPC	98308224.9		AT&T Wireless	European Patent Convention	86-DC-60		Remote Emulation of the Functionality of a Private Exchange

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403000	Application	Patent		Country	Application	Grant	Title	
Number	Nimber	Number	Owner	Name	Date		Method for Providing	
Number							Remote Emulation of the	
						22-May-02	Exchange	
		241550	AT&T Wireless	Mexico	08-Oct-88	77 101 77	Method for Providing	
281.MX	988391	211300					Remote Emulation of the	
							Functionality of a Private	.
					00.01-08		Exchange	T
	7777		AT&T Wireless	Norway	02-00-00		Method for Providing	
281.NO	19984/42						Remote Emulation of the	
		·					Functionality of a Private	 e:
					42 04 08	26-Feb-01	Exchange	
	03446043	12150R	AT&T Wireless	Taiwan	12-001-30		Method for Providing	
281.TW	8/110913	000171					Remote Emulation of the	9
							Functionality of a Private	 e
				This of Chatee	10-Oct-97	08-May-01	Exchange	Ţ,
9	09/048407	6229885	AT&T Wireless	United States	5 500		A Method for Allowing a	<u> </u>
281.US	00/04/04/01						Called Party to Allocate	
							Call Payment	
					29-Oct-98	23-Apr-02	Responsibility:	
, 40 cac	2252180	2252180	AT&T Wireless	Canada			A Method for Allowing a	
282.CA	207707		 				Called Party to Allocate	
				·.			Call Payment	_
			1	1 Inited Chates	19-Nov-97	16-Apr-02	Responsibility	T
011000	08/074394	6373931	AT&T Wireless	Ollifed Olares		<u> </u>	System for Providing	
282.03	2001						Power to a Wireless	
					04-Oct-98		System	
	7 0000000		AT&T Wireless	Brazii	25 80 20	-	System for Providing	
283.BK	3003030.1						Power to a Wireless	
					09-Oct-98	01-Jan-02	System	
V C0C	2249911	2249911	AT&T Wireless	Carrana			System for Providing	-
Z03.CA							Power to a wifeless	
			and tallet	Mexico	09-Oct-98	15-Oct-02	Mothod and System for	5
283.MX	988387	210851	AIĞI WIREIGSS				Providing Power to a	 5
	ļ				20 17 0 07	02.111-01	Wireless System	
	-	6755510	AT&T Wireless	United States	10-001-87		Method and System for	ō
283.US	08/948777	0100070			٠		Providing Power to a	
		-		octors of the second	10.005-01		Wireless System	
283 11S CP1	09/828859		AT&T Wireless	United States	200		Method and System for	<u>ō</u>
202022							Wireless System	
	, 10/05500A		AT&T Wireless	United States	15-Jun-04			
283.05.01	10/00035						,	•

Docket	Anniloation						-
	Application	Patent	C	Name	Application	Date	Title
Number	Number	Number	Owie				Secure Equipment
			and collective to the	Taiwan	03-Oct-97	11-May-00	Personal Base Station
284.TW	86114469	110656	AIQI Wildidaa				Secure Equipment
				Heifed States	09-Oct-96	23-Feb-99	Automation Using a Personal Base Station
284.US	2088306	5875395	A I & I WITEIESS	Olinea Grand		1	Service Transfer to a
205.0	000000	2202000	AT&T Wireless	Canada	07-Apr-97	06-Mar-01	Wireless Telephone
CO.507			AT&T Wireless	Taiwan	05-May-97	25-May-98	Wireless Telephone
285.TW	86105955	92547	Wide Wilder	Softet S. L. W II	90-W2W-06	01-Dec-98	Service Transfer to a Wireless Telephone
285.US	08/644027	5845207	AT&T Wireless	United States	03-Way-50		System and Method for
			AT&T Wireless	Brazil	17-Dec-97		Retrieving Messages From a Voice Message System
286.BR	1877348				:	-	System and Method for Retrieving Messages From
206 CA	2221660	2221660	AT&T Wireless	Canada	20-Nov-97	13-Feb-01	a Voice Message System
A).082	2001-277		T T T T T T T T T T T T T T T T T T T	European Patent	20-Nov-97		Retrieving Messages from a Voice Message System
286.EPC	97309357.8		Alal Wieless				System and Method for Retrieving Messages From
	700000		AT&T Wireless	Japan	10-Dec-97		a Voice Message System
286.JP	9-339534						Retrieving Messages From
	01010		AT&T Wireless	· Mexico	16-Dec-97		a Voice Message System
286.MX	97 101 53						Retrieving Messages From
014	075916		AT&T Wireless	Norway	10-Dec-97		a Voice Message System
286.NO	91:3010						Retrieving Messages From
286.TW	86118705	114009	AT&T Wireless	Taiwan	11-Dec-97	00-BnV-LL	System and Method for
			SociosiMi Tota	United States	17-Dec-96	11-Jun-02	Retrieving Messages From a Voice Message System
286.US	08/766134	6405032	AIGI WIIEIGSS	20000		ļ.,	Method and Apparatus for
	· ·					•	Providing Partuoried Telecommunication
287.BR	9802303		AT&T Wireless	Brazil	26-Jun-98	-	Method and Apparatus for
					25 		Providing Partitioned Telecommunication Services
287.CA	2239649		AT&T Wireless	Canada	06-106-10		

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Application Patent Owner Name Uate Deacy Hamber Number Nu		.				Application	Grant	Title
European Patent 12-Jun-96 Freint 12-Jun-96 Freint 17-Jun-96 Freint 17-Jun-96 Freint 10-176995 Freint 10-176995 Freint 11-Jun-97 Freint 10-176995 Freint 11-Jun-97 Freint 10-Jun-97 Freint 10-Jun-97	Docket	Application Number	Number	Owner	Name	Date	Date	Method and Apparatus for Providing Partitioned
10-176895 AT&T Wireless Japan 12-Jun-96 Propertion 12-Jun-96 Propertion 12-Jun-96 Propertion 12-Jun-96 Propertion 11653 AT&T Wireless Japan 24-Jun-96 Propertion 10-Jan-02 Second AT&T Wireless Junied States 10-Jan-02 Second AT&T Wireless Junied States 10-Jan-02 Second AT&T Wireless Junied States 10-Jan-02 Second AT&T Wireless Canada 24-Jun-97 AT&T Wireless AT&T Wireless Canada 24-Jun-97 AT&T Wireless AT&T Wireless Canada 15-Jun-97 AT&T Wireless AT&T Wireless Japan 15-Jun-97 AT&T Wireless AT&T	is an in the same of the same							Telecommunication Services
10-17695		00204671 K		AT&T Wireless		2-Jun-98		Method and Apparatus for Providing Partitioned
10.176855 11.1653 AT&T Wineless Japan 24-Jun-86 Mexico 24-Jun-86 Mexico 24-Jun-86 Mexico 24-Jun-86 Mexico 24-Jun-86 Mexico 28-Jun-87 28-Jun-87 Mexico 28-Jun-87	87.EPC	2010000						Telecommunication
11 12 12 13 14 15 14 15 15 15 15 15		40 476805		AT&T Wireless		24-Jun-98		Method and Apparatus for Providing Partitioned
995.50 AT&T Wireless Mexico 24-Jun-96 Or-Jun-00 Properties AT&T Wireless Talwan O2-Jun-96 Or-Jun-00 Talwan O2-Jun-97 Talwan O2-Jun-97 Talwan O2-Jun-97 Talwan O2-Jun-97 Talwan O2-Jun-97 Talwan Talwan O2-Jun-97 Talwan Talwan	287.JP	200						Telecommunication Services
ST108653 111653 AT&T Wineless Talwan O2-Jun-96 O7-Jun-00 Frail	. XM. Z82	985150		AT&T Wireless	Mexico	24-Jun-98		Method and Apparatus for Providing Partitioned
ST108653 111653 AT&T Wireless United States 26-Jun-97 Free States 10-Jan-02 States S					Taiwan	02-Jun-98	00-Jun-00	Services Method and Apparatus for
1008/82804 AT&T Wireless United States 10-Jan-02 Signature AT&T Wireless United States 10-Jan-02 Signature AT&T Wireless Brazil 14-Jul-97 Signature AT&T Wireless Canada 24-Jun-87 20-Mar-01 A Signature AT&T Wireless	287.TW	87108653	111653	AT&T Wireless				Providing Partitioned
C1 10/041500						26. tun.97		Services
C1 10/041500	<u>.</u>	08/882804		AT&T Wireless	United States			Method and Apparatus for Providing Partitioned
10/041500	287.05							Telecommunication
10,041500		:		0001-1141	Linited States	10-Jan-02	-	System and Method for
9703967 AT&T Wireless Brazil 14-Jul-97 A A A T&T Wireless Canada 24-Jun-97 20-Mar-01 A B A A A T&T Wireless Convention 15-Jul-97 A A A T&T Wireless Japan 15-Jul-97 13-Oct-03 A A T&T Wireless Japan 15-Jul-97 13-Oct-03 A A A A A A A A A A A A A A A A A A A	287 US.C1	10/041500		Alai Wildiess				Automatic Registration
9703967 AT&T Wireless Brazil 14-Jul-97 S 2208601 2208601 AT&T Wireless Canada 24-Jun-97 20-Mar-01 And the stands C 97112096.9 AT&T Wireless Convention 15-Jul-97 And the stands X 975088 216890 AT&T Wireless Mexico 07-Jul-97 13-Oct-03	100000				:			Notification for Over-unary
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2208601 AT&T Wireless Canada 24-Jul-97 European Patent 45-Jul-97 AT&T Wireless Japan 15-Jul-97 AT&T Wireless Japan 15-Jul-97 188842/1997 AT&T Wireless Mexico 07-Jul-97 13-Oct-03					:	70 mil 70	20-Mar-01	Activation
## European Patent			2208601	AT&T Wireless	Canada	4-301-63		System and Method 101
97112096.9 AT&T Wireless Convention 15-Jul-97 188842/1997 AT&T Wireless Japan 15-Jul-97 975088 216890 AT&T Wireless Mexico 07-Jul-97 13-Oct-03	288.CA	2208601		ļ	Paten Datent			Notification for Over-the-
97112096.9 AT&I Wireless Japan 15-Jul-97 AT&T Wireless Japan 15-Jul-97 13-Oct-03 AT&T Wireless Mexico 07-Jul-97 13-Oct-03					Convention		-	System and Method for
188842/1997 AT&T Wireless Japan 15-Jul-97 975088 216890 AT&T Wireless Mexico 07-Jul-97 13-Oct-03	288.EPC	97112096.9		AT&1 Wireless	8		· .	Automatic Registration
188842/1997 AT&T Wireless Japan 15-Jul-97 13-Oct-03 975088 216890 AT&T Wireless Mexico 07-Jul-97 13-Oct-03					,			Activation
975088 216890 AT&T Wireless Mexico 07-Jul-97 13-Oct-03		7007/270007		AT&T Wireless	Japan	15-701-97		System and Method for Automatic Registration
975088 216890 AT&T Wireless Mexico 07-Jul-97	288.JP	750001					43.04.03	Notification for Over-the-Activation
			216890	AT&T Wireless	Mexico	/8-Inr-20		

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288 118 7429	40/802401		AT&T Wireless	United States	16-Mar-04		System and Method for Automatic Registration Notification for Over-the-Air Activation	or ne-Air
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289.CA	2215821	2215821	AT&T Wireless	Canada	19-Sep-97	03-Jul-01	A Method and Apparatus for Over-the-Air Programming of Telecommunication Services	atus
289.EPC	97117320.8	836340	AT&T Wireless	European Patent Convention	07-Oct-97	23-Jun-04	A memod and Apparatus for Over-the-Air Programming of Telecommunication Services	S
289.EPC.D1	3023872.6		AT&T Wireless	European Patent Convention	16-Jan-98		Method and Apparatus for Updating Service information Stored in a Mobile Station	<u> </u>
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Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title	
300.US.C1	09/634573	6445716	AT&T Wireless	United States	08-Aug-00	03-Sep-02	Method and Apparatus for Dynamic Negotiation of Protocols	tus for 1 of
300.US.C1(1)	-328443		AT&T Wireless	United States	18-Jul-02		Method and Apparatus for Dynamic Negotlation of Protocols	us for
301.BR	1426882		AT&T Wireless	Brazil	24-Oct-97		A Method and Apparatus for Message Transmission Verification	ratus nission
301.CA	2218211	2218211	AT&T Wireless	Canada	14-Oct-97	06-Feb-01	A Method and Apparatus for Message Transmission Verification	ratus nission
301.EPC	97118527.7	·	AT&T Wireless	European Patent Convention	24-Oct-97		A Method and Apparatus for Message Transmission Verification	ratus nission
301.JP	9-290726		AT&T Wireless	Japan	23-Oct-97		A Method and Apparatus for Message Transmission Verification	ratus nission
301.MX	978066	206521	AT&T Wireless	Mexico	20-Oct-97	08-Feb-02	A Method and Apparatus for Message Transmission Verification	ratus nission
301.NO	19974771		AT&T Wireless	Norway	15-Oct-97		A Method and Apparatus for Message Transmission Verification	ratus Ilssion
301.TW	86115452	108524	AT&T Wireless	Taiwan	20-Oct-97	09-Mar-00	A Method and Apparatus for Message Transmission Verification	ratus ilssion
301.US	08/740277	5940740	AT&T Wireless	United States	25-Oct-96	17-Aug-99	A Method and Apparatus for Message Transmission Verification	ratus Ilssion
301.US.C1	09/215557	6219542	AT&T Wireless	United States	18-Dec-98	17-Apr-01	A Method and Apparatus for Message Transmission Verification	ratus nission
301.US.C1(1)	09/535340		AT&T Wireless	United States	24-Mar-00		Method and Apparatus for Message Transmission Verification	tus for Ion
302.BR	9710456-6		AT&T Wireless	Brazil	24-lun-97		Method for Categorization of Multiple Providers in a Wireless Communications Service Environment	zation i in a ations
							Method for Categorization of Multiple Providers in a Wireless Communications	zation i in a ations
302.CA	2259238	2259238	AT&T Wireless	Canada	24-Jun-97	25-Mar-03	Service Environment	

Docket Application Patent Number Owner Number Number Owner 302.EPC 97932289.8 AT&T Wireless 302.JP 504270/1998 AT&T Wireless 302.WX 990222 AT&T Wireless 302.US 990222 AT&T Wireless 302.US 990222 AT&T Wireless 302.US 1066388 6377787 AT&T Wireless 302.US.C3 malled AT&T Wireless 303.CA 2294432 2294432 AT&T Wireless 303.CAD 2444185 AT&T Wireless 303.EPC 86929031.7 AT&T Wireless 303.MX 9911892 AT&T Wireless								_
Solution Number Number Number ATB			Datent		Country	Application	Grant	Title
SO4270/1998	Docket	Application	Nimbor	Owner	Name	Date	Date	Method for Categorization
97932289.8 ATB	Number	Number	Number					of Multiple Providers in a
97932289.8 ATE					Furnpean Patent			Wireless Communications
SO4270/1998 ATT					Convention	24-Jun-97		Method for Categorization
504270/1998 ATI 990222 S6108822 97738 ATI 08/672908 6195532 ATI C1		97932289.8		AI&I WIFEESS				of Multiple Providers in a
S.C.1 1066388 6195532 AT S.C.1 1066388 6377787 A S.C.2 10/099992 2294432 AT S.C.3 malled A S.C.2 10/099992 AT S.C.3 malled A S.C.	 							Wireless Communications
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S.C1 1066388 6195532 AT S.C2 10/099992 6195532 AT S.C3 malled S.C3 malled S.C4 129432 2294432 AT S.C5 9992031.7 S.C5 9992931.7 S.C6 9992931.7 S.C7 9911692	_	504270/1998		AT&T Wireless	Japan	24-2011-01		Method for Categorization
S.C2 10/099992 6195532 AT AS A Mailed CA 2294432 2294432 A Mailed CA 2294432 A Mailed								Wireless Communications
S.C1 1066388 6195532 AT S.C2 10/099992 6377787 A S.C3 malled A S.C3 malled A S.C3 2294432 A S.C4 29929331.7 S.C5 98929031.7 S.C4 98929031.7						70 03		Service Environment
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B6108822 97738 AT O8/672908 6195532 AT O8/672908 6195532 AT O6/6388 6377787 AT O6/6388 6377787 AT O6/6388 6377787 AT O6/6388 6377787 AT O6/6388 6195532 AT O6/6388 6377787 AT O6/6388 619692 AT O6/6388 AT O		990222						of Multiple Providers in a
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C1 1066388 6195532 A7 C1 1066388 6377787 A C2 10/099992 8377787 A C2 10/099992 2294432 A C3 malled A C4 185 2294432 A C5 98929031.7	. WI COE	86108822	97738	AT&T Wireless	Idiwali			Method for Categorization
C1 1065388 6195532 A7 C1 1065388 6377787 A C2 10/099992 6377787 A C2 444185 A.D1 2444185 PC 98929031.7 NX 9911692			ļ	-				Wireless Communications
C1 1066388 6377787 A C2 10/099992 6377787 A C2 10/09992 6377787 A C2 444185 AD1 2444185 PC 98929031.7 K 9911692							27.Feb-01	Service Environment
C1 1066388 6377787 A C2 10/099992 637778 A C2 10/099992 63778 A C2 10/09992			6406633	AT&T Wireless	United States	28-Jun-90	2001-17	Method for Categorization
1066388 6377787 A 10/099992 A mailed 2294432 2294432 // 2444185 // 98929031.7	302.US	08/672908	0193332					of Multiple Providers in a
1066388 6377787 A 10/099992 A malled 2294432 2294432 / 2444185 2294432 / 98929031.7								Wireless Communications
1066388 6377787 A 10/099992 A mailed 2294432 2294432 A 2444185 A 98929031.7					1 Inited States	14-Jun-99	23-Apr-02	Service Environment
10/099992 A mailed 2294432 A 2294432 2294432 A 98929031.7 99911892	302 11S C.1	1066388	6377787	AT&I Wireless				Method for Categorization
10/099992 A mailed 2294432 2294432 7 4 4 4 185 9991892	305:00:20					-		Wireless Communications
10/099992 A mailed 2294432 2294432 7294432 7294432 7294432 7294432 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6						20 171 07		Service Environment
10/099992 mailed 2294432 2294432 1 2444185 1 98929031.7		,		AT&T Wireless	United States	19-Mar-02	-	Method for Categorization
mailed 2294432 2294432 2444185 98929031.7	302.US.C2	10/09992						of Multiple Providers in a
mailed 2294432 2294432 // 2444185 29929031.7 99911892								Wireless Communications
malled 2294432 2294432 <i>f</i> 2244185 <i>f</i> 98929031.7			-		Chatae	27-Sep-04		Service Environment
2294432 2294432 <i>f</i> 2444185 98929031.7		Pollog		AT&T Wireless	United States			Method of Intelligent
D1 2444185 2294432 / / / C 98929031.7 / / / / / 9911892	302.05.03	Ilianed			<u>:</u>		;	Roaming Using Network
D1 2444185 2294432 C 98929031.7 C 99911892		-		ATOT Wireless	Canada	12-Jun-98	30-Mar-04	Method of Intelligent
D1 2444185 C 98929031.7	303.CA	2294432	2294432	Algi Wileico				Roaming Using Network
98929031.7	·.				•	42 1:2 08		Information
98929031.7				AT&T Wireless	Canada	12-3011-30	\ \ \ \ \ \	Method of Intelligent
98929031.7	303.CA.D1	2444185			rnoton Datent			Roaming Using Network
98929031.7				1	Convention	12-Jun-98		Information
9911892	303.EPC	98929031.7		A1&1 WITEIESS				Roaming Using Network
9911892				• .		42_110-98		Information
	XVI EUC	9911892		AT&T Wireless	Mexico	20110031		
	303:WA					:		

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title	a
AT COC	94404		į	•			Method of Intelligent Roaming Using Network	igent Network
200.144	9/1101/9	เรเกา	A Lot I WIRBIESS	ıaıwan	Z4-Jun-98	20-Apr-00	Information	
303.US	08/883111	6223042	AT&T Wireless	United States	26-Jun-97	24-Anr-01	Roaming Using Network	igent Network
							Method and Apparatus for	paratus for
306.BR	9800525-1		AT&T Wireless	Brazil	30-Jan-98		Serving Cell Code	epo
							Method and Apparatus for	paratus for
306.CA	2227138	2227138	AT&T Wireless	Canada	15-Jan-98	16-Sep-03	Serving Cell Code Assignment	ge
						•	Method and Apparatus for	paratus for
308.MX	980722		AT&T Wireless	Mexico	26-Jan-98		Serving Cell Code Assignment	-
			-				Method and Apparatus for	paratus for
306.TW	87100967	111208	AT&T Wireless	Taiwan	23-Mar-98	29-May-00	Serving Cell Gode Assignment	90
							Method and Apparatus for	paratus for
306 115	4472606	6444064	A TOT LANGE LANGE		24 100 00		Serving Cell Gode	—
200.00	147.200	0144031	A I & I WITEIESS	United States	S-Jan-9/	07-NOV-00	Assignment	
							Method of Mutual Authentication for Secure	ial or Secure
307.BR	1892355		AT&T Wireless	Brazil	18-Dec-97		Wireless Service Provision	e Provision
							Method of Mutual	lal
307 CA	2224eee	2274685	A T 0 T \Alleston	4	20 8121: 02	04 151 03	Authentication for Secure	or Secure
55.55	C001777	C001777	AIGI WIREIESS	Canada	/R-A0N-07	07-Jan-03	Wireless Service Provision	e Provision
							Authentication for Secure	or Secure
307.MX	9710347	193809	AT&T Wireless	Mexico	18-Dec-97	22-Oct-99	Wireless Service Provision	e Provision
							Method of Mutual	al
307.TW	86119522	110272	AT&T Wireless	Taiwan	22-Dec-97	01-May-00	Authentication for Secure Wireless Service Provision	or Secure e Provision
							Method of Mutual	-Ea
-	-						Authentication for Secure	or Secure
307.US	08/777341	5875394	AT&T Wireless	United States	27-Dec-96	23-Feb-99	Wireless Service Provision	e Provision
00 000	0.00000				50 50		Method for Controlling	trolling
A00.000	9/00413-0		A I & I WIFEIESS	Drazii	18-Dec-97		Channel Ke-Selection	ection
308.CA	2221820	2221820	AT&T Wireless	Canada	20-Nov-97	30-Jul-02	Method for Controlling Channel Re-Selection	trolling
							Method for Controlling	trolling
308.MX	9710341	199915	AT&T Wireless	Mexico	18-Dec-97	30-Nov-00	Channel Re-Selection	ection
308.TW	86119184	125235	AT&T Wireless	Taiwan	18-Dec-97	08-May-01	Method for Controlling Channel Re-Selection	trolling ection

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Number Number Owner Number Owner Number Owner Number Owner	Docket	Application	Patent		Country	Application Date	Date	Title
C1 C99306760 G501951 AT&T Wireless United States 24-Dec-66 30-Nov-99 C7	Number	Number	Number	Owner	Nallie			Method for Controlling
C1(1) 10/206963 G501951 AT&T Wireless United States 07-May-89 31-Dec-02 C1 C1(1) 10/206963 AT&T Wireless United States 30-Jul-02 C1 C1 C1(2) mailed AT&T Wireless United States 20-Aug-04 M M M M M M M M M				AT&T Wireless	1	24-Dec-96	30-Nov-99	Channel Re-Selection Method for Controlling
10/206963	308.US	08/772829	1999999	1		07-May-99	31-Dec-02	Channel Re-Selection
10206963	308.US.C1	09/306760	6501951	AT&T Wireless	T	22 (2011)		Method for Controlling
10/206963								Channel Re-Selection
10/206963			. ·					Channel to an Alternative
10/206963					1 Inited Ctatos	30-hil-02		Control Channel
H892840	308.US.C1(1)	10/206963		AT&T Wireless	OIIIIEO SIGIES			Method for Controlling
H892840 AT&T Wireless Brazil 18-Dec-97 S				AT&T Wireless	United States	20-Aug-04		Channel Re-Selection
1892840	308.US.C1(2)	malled		AIGI MIIGIGSS				Method and Apparatus for
1892840 AT&T Wireless Brazil 18-Dec-97 S Now-97 2221854 2221854 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S Canvention 20-Nov-97 S Canvention 20-Nov-97 S Canvention Canve								Alerting a Station in Oile
1892840 AT&T Wireless Brazil 18-Dec-97 N N N NOWAY 11-Dec-97 S		·.						Communication From a
1892840 AT&T Wireless Diduit Condition AT&T Wireless Canada 20-Nov-97 18-Nov-03 Convention						18-Dec-97		Second Network
2221854 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S Canada 20-Nov-97 18-Nov-03 S Canada 20-Nov-97 18-Nov-03 S Canada 20-Nov-97 Nov-03 Nov	312 BR	1892840		AT&T Wireless	Brazil	2000		Method and Apparatus for
C 97309352.9 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S Convention 20-Nov-97 18-Nov-03 S Convention 20-Nov-97 18-Nov-03 S Convention 20-Nov-97 S CONVENTION 20-N								Alerting a Station in One
C 97309352.9 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S C S 97309352.9 AT&T Wireless Convention 20-Nov-97 S S S S S S S S S S S S S S S S S S S				•				Network of a Requested
C 97309352.9 AT&T Wireless Canada 20-Nov-97 18-Nov-03 S Convention 20-Nov-97 18-Nov-03 S Convention 20-Nov-97						-	,	Communication From a
2221854 Atlat Virieless European Patent 20-Nov-97 Convention 20-Nov-97 S S S S S S S S S S S S S S S S S S S				A T O T Mirelose	Canada	20-Nov-97	18-Nov-03	Second Network
C 97309352.9 AT&T Wireless Convention 20-Nov-97 European Patent 20-Nov-97 Europe	312.CA	2221854	2221854	AIGH WIIGIGSS				Method and Apparatus for
97309352.9 AT&T Wireless Convention 20-Nov-97 S 9-350412 AT&T Wireless Japan 19-Dec-97 O7-Nov-03 9710338 217407 AT&T Wireless Norway 17-Dec-97 O7-Nov-03								Alerting a Station in One
97309352.9 AT&T Wireless Convention 20-Nov-97 Convention 20-Nov-97 Convention 20-Nov-97 AT&T Wireless Japan 19-Dec-97 GT-Nov-03 9710338 217407 AT&T Wireless Mexico 18-Dec-97 GT-Nov-03 AT&T Wireless Norway 17-Dec-87 TT-Dec-87 T								Nework of a Requested
97309352.9 AT&T Wireless Convention 20-Nov-97 Nov-03 AT&T Wireless Japan 19-Dec-97 O7-Nov-03 AT&T Wireless Norway 17-Dec-97 AT&T Wireless Norway 17-Dec-97 AT&T Wireless Norway 17-Dec-97	_				European Patent			Communication From a
97309352.9 AT&T Wireless Japan 19-Dec-97 9-350412 AT&T Wireless Japan 19-Dec-97 9710338 217407 AT&T Wireless Norway 17-Dec-97 AT&T Wireless Norway 17-Dec-97					Convention	20-Nov-97		Second Network
9-350412 AT&T Wireless Japan 19-Dec-97 (19-Dec-97) AT&T Wireless Mexico 18-Dec-97 (07-Nov-03-10075036 AT&T Wireless Norway 17-Dec-97	342 EDC	97309352.9		AT&T Wireless	COIIVEILION			Method and Apparatus for
9-350412 AT&T Wireless Japan 19-Dec-97 (18-Dec-97) AT&T Wireless Mexico 18-Dec-97 (17-Dec-97) AT&T Wireless Norway 17-Dec-97	315.1.							Alerting a Station in One
9-350412 AT&T Wireless Japan 19-Dec-97 (18-Dec-97) AT&T Wireless Mexico 18-Dec-97 (17-Dec-97) AT&T Wireless Norway 17-Dec-97				-				Network of a Requested
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9-350412 AT&T Wireless Japan (9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03 AT&T Wireless Norway 17-Dec-97					2020	19-Dec-97		Second Network
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9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03 AT&T Wireless Norway 17-Dec-97	312.35							Alerting a Station in One
9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03								Network of a requested
9710338 217407 AT&T Wireless Mexico 18-Dec-97 07-Nov-03								Communication
9710338 217407 A1&1 Wireless moxed at 17-Dec-97					Maxico	18-Dec-97	07-Nov-03	Second Network
AT&T Wireless Norway 17-Dec-97	312.MX	9710338	217407	AT&I WIREIESS	SWOM			Method and Apparatus to
AT&T Wireless Norway 17-Dec-97								Nowork of a Reguested
AT&T Wireless Norway 17-Dec-97								Communication From a
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		40075036		AT&T Wireless	Norway	14-090-31		

Docket	Application	Patent		Country	Application	Grant		
Number	Number	Number	Owner	Name	Date	Date	Title	
-							Method and Apparatus for	
							Alerting a Station in One	
					-		Network of a Requested	
312 TW	86110517	104020	AT&T Wireless	Taiwan	22-Dec-97	04-Dec-99	Second Network	
		27020					Method and Apparatus for	
							Alerting a Station in One	
							Network of a Requested	
	-						Communication From a	
312.US	08/777336	6230009	AT&T Wireless	United States	'27-Dec-96	08-May-01	Second Network	
						-	Method and Apparatus for	
	-	•		-			Alerting a Station in One	
							Network of a Requested	
	-				٠		Communication From a	
312 US C1	09/740181	6459897	AT&T Wireless	United States	18-Dec-00	01-Oct-02	Second Network	
10:00:3:0		10000					Method and Apparatus for	
	•						Alerting a Station in One	
							Network of a Requested	
	•	· · · · · · · · ·					Communication From a	
312.US.C1(1)	10/241432		AT&T Wireless	United States	12-Sep-02		Second Network	
	·.						Method of Wireless	
343 00	1803450		AT&T Wireless	Brazil	18-Dec-97		Retrieval of Information	
N0.010	004000						Method of Wireless	
313.CA	2221666		AT&T Wireless	Canada	20-Nov-97		Retrieval of Information	
				Furnean Patent			Method of Wireless	
200	03424069.0		AT&T Wireless	Convention	12-Dec-97		Retrieval of Information	
313.670	87.121.930.9		Section 1910				Method of Wireless	
212 ID	0.351020		AT&T Wireless	Japan	19-Dec-97		Retrieval of Information	
500	22020						Method of Wireless	
313.MX	9710240		AT&T Wireless	Mexico	17-Dec-97		Retrieval of Information	
			-	-	4 1		Method of Wireless	
313.NO	19975935		AT&T Wireless	Norway	1/-Dec-9/		Marked of Middles	
				Toking	18-Doc-07	17-Dec-99	Retrieval of Information	
313.TW	86119180	105649	AI & I WIREIESS	laiwaii	2000		Method of Witeless	
313116	08/777083	- R403430	AT&T Wireless	United States	24-Dec-96	10-Dec-02	Retrieval of Information	
913.03		201001					Method of Wireless	
313.US.R1	10/419098		AT&T Wireless	United States	09-Jun-03		Retrieval of Information	
						•	Method and Apparatus for	
	000		AT&T Wireless	Brazil	03-Dec-97		Processing	
318.BK	1/6/300		Alai Wildias					

Application	400		Country	Application	Grant		
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	Patent	Owner	Name	Date	Date	Method and Apparatus for	
Number	Number	-				Data Network Call	
	2020000	AT&T Wireless	Canada	10-Nov-97	01-Jan-02	Processing Method and Apparatus for	
2220707	7770101		European Patent			Data Network Gall Processing	
0730003 9		AT&T Wireless		12-Nov-97		Method and Apparatus for	
				05-Dec-97		Data Network Call Processing	
2306751		AT&T Wireless	Japan			Method and Apparatus for Data Network Call	
. •.	00000	AT&T Wireless	Mexico	02-Dec-97	26-Sep-01	Processing Method and Apparatus for	
392	204573					Data Network Call	
75812 ·		AT&T Wireless	Norway	04-Dec-97		Method and Apparatus for	
31001				03-06-07	04-Mar-02	Data Network Call Processing	
86118162	143991	AT&T Wireless	Taiwan	20-00-00		Method and Apparatus for Data Network Call	
			Chaited Chates	09-Dec-96	12-Sep-00	Processing	
08/762550	6118778	AT&T Wireless	Ollifed States			Method and Apparatus for Data Network Call	
 		:	Chatted Chattee	30-Nov-99	17-Aug-04	Processing	
451401	6778527	AT&T Wireless	United States			A Method for Time-	
						Stamping a message Based on a Recipient	
		:	-	27.M2v.98		Location	
0		AT&T Wireless	Brazil	20 ABINIT 77		A Method for Time-	
01486-2					·	Stamping a Message	
			. 1	77 Agy 08		Location	
		AT&T Wireless	Canada	06-1dW-17	 	Method for Time-Stamping	
20878			European Patent			a Message Based on a	
		ATRT Wireless	Convention	22-May-98		A Method for Time-	τ
3304082.5						Stamping a Message	<u>. </u>
						Based on a Recipient	
				72-Mav-98		Location	· •
0-145288		AT&T Wireless	Japan			Method for Time-Stamping	
				24.Mav-98	04-Mar-04	Recipient Location	\neg
984246	219273	AT&T Wireless	Mexico	15		<u>-</u>	
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19862365 316983 AT&T Wireless Norway 26-May-98 19-Jul-04 1 67108312 111946 AT&T Wireless Talwan 22-May-98 13-Jul-07 1 080825894 AT&T Wireless United States 03-Jun-67 22-May-98 13-Jul-00 1 1 AT&T Wireless United States 03-Jun-67 22-May-01 2 2 AT&T Wireless United States 03-Jun-67 22-May-01 2 2 AT&T Wireless United States 03-Jun-67 22-May-01 2 2 AT&T Wireless Germany 22-May-98 13-Jug-03 3 AT&T Wireless Germany 22-May-98 13-Jug-03 4 AT&T Wireless Finland 22-May-98 13-Jug-03 8 883313 AT&T Wireless France 22-May-98 13-Jug-03 98504081.7 883313 AT&T Wireless France 22-May-98 13-Jug-03 1540831999 AT&T Wireless Japan 03-Jun-97 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>A Method for Time-</td><td></td></t<>								A Method for Time-	
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154083/1998 AT&T Wireless Japan 03-Jun-98	3.GB	98304081.7	883313	AT&T Wireless		22_May.08	42 Aug 03	Communication With a	
154083/1998 AT&T Wireless Japan 03-Jun-98					1	25 mg/ 20	SOLANICA I	Method and Svetem for	Ť
154083/1998	!	•		-				Providing Data	
	3.JP	154083/1998	,	AT&T Wireless	Japan	03-Jun-98		Communication With a	

40,100	Annlication	Patent		Country	Application	Grant	Title
Number	Number	Number	Owner	Name	Date		Mobile Station
		•					Method and System for Providing Data
						OR. lan-03	Communication With a Mobile Station
	004262	212436	AT&T Wireless	Mexico	01-3UN-90		Method and System for
333.MX	272+05					·	Providing Data Communication With a
			AT&T Wireless	Norway	26-May-98		Mobile Station Method and System for
333.NO	19982384			·			Providing Data
					22 1420, 08	13-Aug-03	Mobile Station
33 66	98304081.7	883313	AT&T Wireless	Sweden	06-KPINI-77		Method and System for
333.35							Providing Data Communication With a
				Tojinon	28-Mav-98	17-Apr-01	Mobile Station
WT 000	87108311	123686	AT&T Wireless	ISIMAII			Method and System for
333.14							Communication With a
				11-it od Chatoe	03-110-97	21-May-02	Mobile Station
333.US	08/868350	6393014	AT&T Wireless	Office States			Method and System for
							Communication With a
			ATOT Mireless	United States	12-Apr-02		Mobile Station
333.US.C1	10/120548		AIGIGOS				Providing Data
							Communication With a
·			AT9 T Mirelace	United States	10-Sep-04		Mobile Station
333.US.C1(1)	mailed		5	:	21 Mar 08		System and Method for Processing Dropped Calls
334 BR	9801221-5		AT&T Wireless	Brazii			System and Method for
VO. 100			AT&T Wireless	Canada	12-Mar-98	30-Oct-01	Processing Dropped Calls
334.CA	2231938	2231936		European Patent			System and Method for Processing Dropped Calls
334 FPC	98302011.6		AT&T Wireless	Convention	10-Mar-90		System and Method for
	90077008		AT&T Wireless	Japan	09-Apr-98		System and Method for
334.1F	963707				02-Apr-98		Processing Dropped Calls
334.MX	982578		AT&T Wireless	MEXICO			
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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
					04 Apr. 00		System and Method for
1	19981596		AI&I WIREIESS	Norway	07-Apr-98		System and Method for
	87105092	111939	AT&T Wireless	Taiwan	03-Apr-98	13-Jun-00	Processing Dropped Calls
·							Apparatus for Providing
	08/902373	6314303	AT&T Wireless	United States	29-Jul-97	06-Nov-01	Enhanced Functionality to a Mobile Station
							Method for Designing
				-			Wireless Communications
							Cell Sites Using Uplink
	08/996764	6477376	AT&T Wireless	United States	23-Dec-97	05-Nov-02	Parameters
							A Method and System for
	-						Optimizing Performance of
	•						a Mobile Communications
	08/996486	9966	AT&T Wireless	United States	23-Dec-97	05-Aug-03	System
					-		A Method and System for
							Optimizing Performance of
							a Mobile Communications
342.US.C1	10/307668		AT&T Wireless	United States	02-Dec-02		System
							Method and System for
				-			Delivering a Voice Mail
							Notification to a Private
							Base Station Using Cellular
	08/838582	6014559	AT&T Wireless	United States	10-Apr-97	11-Jan-00	Phone Network
							Method and Apparatus for
				•			Voice Mail Sharing
							Between Wired and
	66689		AT&T Wireless	United States	04-Dec-97		Wireless Telephones
							Method for Locating a
·	9801756-0		AT&T Wireless	Brazil	02-Jun-98		Mobile Station
			•		:		Method for Locating a
	2235982	2235982	AT&T Wireless	Canada	27-Apr-98	29-Jun-04	Mobile Station
							A Method for Locating a
	984355	207198	AT&T Wireless	Mexico	01-Jun-98	14-Mar-02	Mobile Station
							A Method for Locating a
	87108313	116657	AT&T Wireless	Taiwan	28-May-98	24-Oct-00	Mobile Station
					-		Method for Locating a
	08/868402	6167274	AT&T Wireless	United States	03-Jun-97	26-Dec-00	Mobile Station
	0070100	0071460	A T O T 18/3-1-0-0	- Charles	44 04 08	18.000.03	Customized On-Line User
	0010777	0010/77	A I & I WITEIESS	Caliana	14-001-90	20000	9000
262 500	08062442 &		AT&T Wireless	European Patent	14-Oct-98		Customized On-Line User Guide
	80833442.3		AIGH WIIGIGSS	CONTRACTOR	200.00		2000

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Docket	Application Number	Patent	Owner	Country	Application Date	Date	Title
365.JP	96519/1998		AT&T Wireless	Japan	09-Apr-98		System and Method for Processing Dropped Calls
365 MX	982579		AT&T Wireless	Mexico	02-Apr-98	,	System and Method for Processing Dropped Calls
365.NO	19981595		AT&T Wireless	Norway	07-Apr-98		System and Method for Processing Dropped Calls
365.5F	98302012 4		AT&T Wireless	Sweden	18-Mar-98		System and Method for Processing Dropped Calls
365.TW	87105091	108902	AT&T Wireless	Taiwan	03-Apr-98	27-Mar-00	System and Method for Processing Dropped Calls
365.US	08/838659	5995830	AT&T Wireless	United States	09-Apr-97	30-Nov-99	System and Method for Processing Dropped Calls
373118	1710280	6201797	AT&T Wireless	United States	12-Dec-97	13-Mar-01	High Bandwidth Delivery and Internet Access for Airborne Passengers
			AT 0 T (MISS)	Linited Ctatae	13.Mar.03		High Bandwidth Delivery and Internet Access for Airborne Passengers
3/3.03.K1	010383010		VIGIOSO ANI GIGOSO				A Method and Apparatus for Determining Billing Rates for Communication
391.US	866601		AT&T Wireless	United States	17-Aug-98		Services
31708	850164	6188897	AT&T Wireless	United States	17-Aug-98	13-Feb-01	Mobile Station Roaming in a Multiple Service Provider Area
302 IS C1	2132166	6470182	AT&T Wireless	United States	15-Sep-00	22-Oct-02	Mobile Station Roaming in a Multiple Service Provider Area
0.00.00			Socionity FOTA	of States	23-Dec-97	09-Mar-04	Method and Apparatus for Providing a Hold Termination Message Service in a Communications Network
994.00 AC CA	00/99/000 00/99/000	2254393	AT&T Wireless	Canada	24-Nov-98	26-Feb-02	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.DE	98123490.9	69800769	AT&T Wireless	Germany	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System

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Science Scie	Docket	Application	Number	Owner	Мате	255		Method and Apparatus for providing Number
Sel123490.9 S26910 AT&T Wireless Convention 14-Dec-98 D9-May-01 USC1 U10017042 G65006 AT&T Wireless Convention 14-Dec-98 D9-May-01 U20-07 U10017042 G65009 AT&T Wireless Convention 14-Dec-98 D9-May-01 U20-07 U10017042 G65009 AT&T Wireless Convention 14-Dec-98 D9-May-01 U20-07 U10017042 G65009 AT&T Wireless United States U100-07-09 D9-May-01 U20-07 U10017042 G65009 AT&T Wireless United States U100-07-09 D9-May-01 U20-07-07 U10017042 G65009 AT&T Wireless United States U100-07-09 D9-May-01 U20-07-07 U10017042 G65009 AT&T Wireless U10017042 U100	Number				Eumpean Patent			Identification Alias in a
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Docket Number	Application Number	Patent Number	Owner	Country	Application	Grant	
				Nail G	Date	Date	for a Packet Filter
							Processor
411.US	08/956990	6158008	AT&T Wireless	United States	23-Oct-97	05.00.00	Method and Apparatus for Updating Address Lists for
						00-290-20	Method and Apparatus for
							Automatically Providing Location-Based
412.US	868062	6580914	AT&T Wireless	United States	17-Aug-98	17-Jun-03	Information Content on a Wireless Device
414.US	09/207370	6427071	AT&T Wireless	United States	08-Dec-98	30_1-1-02	Apparatus and Method for Providing Transporting for
416.US	772368	6256735	AT&T Wireless	United States	17-Aug-08	70 FT 60	Method and Apparatus for Limiting Access to Network
416.US.C1	09/839113	6334188	AT&T Wireless	United States	23-Apr-01	25. Dec. 04	Method and Apparatus for Limiting Access to Network
						23-Dec-01	System and Mothad for
422.US	09/474138		AT&T Wireless	United States	29-Dec-99		System and Memor for Integrating Call Delivery for Fixed-Site and Mobility Services
423.EPC	1973089.4		AT&T Wireless	European Patent Convention	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.JP	2002-527188		AT&T Wireless	Japan	18-Mar-03		Method and System for Remote Call Forwarding of Telephone Calls From an ID Connection
423.PCT.CP1	PCT/US01/29029		AT&T Wireless	Patent Cooperation Treatv	48.00.04		Method and System for Remote Call Forwarding of Telephone Calls From an
423.US	09/010616	6141545	AT&T Wireless	United States	22-Jan-98	31-Oct-00	Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone
423.US.C1	10/426046		AT&T Wireless	United States	29-Apr-03		Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone

Patent
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6571094 AT&T Wireless
6529726 AT&T Wireless
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Application Patent Country Application Grant Date D	Docket Number	Application	•		Country	Application	Grant	
December Number Number Convention December	Number		Patent	2000	Name	Date	Date	Title
2000-207053		Number	Number	Owner				Method for Contacting a
2000-207053 AT&T Wireless Japan OT-Jul-00 Variation Va						03-14-00		Subscriber to Multiple Wireless Bearer Services
2000-207053		305600.9		AT&T Wireless	1			Method for Contacting a
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12-Nov-02 13-Nov-02 14-Jul-99 12-Nov-02 14-Jul-99 14-Jul-99 12-Nov-02 14-Jul-99 12-Nov-02 14-Jul-99 12-Nov-02 12-N		2000-20/053						Method for Contacting a
09/05/2011 6480720 AT&T Wireless United States 14-Jun-95 18-Mar-97 457161 2611176 AT&T Wireless United States 13-Sep-95 22-Sep-96 213517 AT&T Wireless United States 11-Feb-00 10-Mug-04 213517 AT&T Wireless Brazil 22-May-00 2302848.7 AT&T Wireless Canada 24-May-00 24-May-00 AT&T Wireless Convertion 04-Apr-00 2000-157517 AT&T Wireless South Korea 02-Jun-00 2000-157517 AT&T Wireless South Korea 02-Jun-00 2000-157517 AT&T Wireless South Korea 02-Jun-00 24-May-00 AT&T Wireless South Korea 02-Jun-00 25-Jun-00 AT&T Wireless AT&T Wireless South Korea 02-Jun-00 25-Jun-00 AT&T Wireless AT&T Wi							42 10:: 02	Subscriber to Multiple Mireless Bearer Services
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43716 561176 AT&T Wireless United States 13-Sep-95 22-Sep-98					Linited Ctates	01.1111-95	18-Mar-97	(utility)
C1 09/628980 6775270 AT&T Wireless United States 13-Sep-95 22-Sep-98 16 16 16 16 16 16 16 1		457161	5611176	AT&T Wireless	Onlied States	20.100		Antenna Support Structure
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11-Feb-00 10-Aug-04 10-Aug-05 10-A								ISUP Talkpath to an IP
C1(1) 635067	<u> </u>		0101110	AT&T Wireless	United States	11-Feb-00	10-Aug-04	Talkpath
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C1(1) 635067 A1&T Wireless Lined Sides Li	_				Copper Control	Mar.04		Talkoath
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2309406 AT&T Wireless Brazil 22-May-00 P P P P P P P P P P P P P P P P P P								Telephone With a Voice
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2309406 AT&T Wireless Canada 24-May-00 European Patent Convention 04-Apr-00 2000-157517 AT&T Wireless Japan 29-May-00 AT&T Wireless South Korea 02-Jun-00	-							Mail System Access
2309406 European Patent S02848.7 AT&T Wireless Convention O4-Apr-00 AT&T Wireless Japan AT&T Wireless Japan AT&T Wireless Japan AT&T Wireless South Korea O2-Jun-00				AT&T Wireless	Canada	24-May-00		Number
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302848.7 AT&T Wireless Convention G-Apr-30 2000-157517 AT&T Wireless Japan 29-May-00 AT&T Wireless South Korea 02-Jun-00					European ratein	. 00-200-00		Number
2000-157517 AT&T Wireless Japan 29-May-00 AT&T Wireless South Korea 02-Jun-00	AS2 EDC	302848.7		AT&T Wireless	Convention	20-10-10-10-10-10-10-10-10-10-10-10-10-10		Method for Automatically
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2000-157517 AT&T Wireless South Korea 02-Jun-00				ATRT Wirelace	Japan	29-May-00		Number
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AT&T Wireless South Korea 02-Jun-00								Programming a Wireless
40 2000 Ananasa South Korea 02-Jun-00						- (Mei Switch Access
	2,01	40.2000.0030359		AT&T Wireless	South Korea	05~Jun-00		Mall System Course

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Title	Number	Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number	Method for Automatically Programming a Wireless Telephone With a Voice Mall System Access Number	Aircraft Data Communications Services for Users	Alrcraft Data Services	System and Method for Communication Between Airborne and Ground- Based Entities	Aircraft Data Communications Services for Users	Aircraft Data Services	Method and Apparatus for Data Communication Utilizing the North American Terrestrial System	Metition of Appearus of Use in Forwarding Calls Intended for Roaming Subscriber Units	Floating Intru Platforms	Platforms E-Mail Usage Pattern	Detection
Grant Date		12-Apr-02	24-Dec-02			06-Jul-04					•		14-Jan-03
Application Date		29-May-00	02-Jun-99	19-Jun-02	19-Jun-02	14-May-99	19-Jun-01	19-Jun-01	08-Apr-04	30-Dec-99	22-May-01	30-May-00	19-Jul-99
. Country Name		Taiwan	States	Patent Cooperation Treaty	Patent Cooperation Treatv	United States	United States	United States	United States	United States	European Patent Convention	United States	United States
Commercial		ATRT Wireless		AT&T Wireless			AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent		97037	6498930		·	9770373							6507866
Application	L COLLEGE		09/324486	DCT/11502/10336	7000 7000 FFO	100000000000000000000000000000000000000	09/312011	09/884730	10/810044	09/476461	1304493.8	09/580689	09/356974
Docket	NUMBER		452.US	AEA DOT COA		434.PCI.CPZ	434.US	454 US.CP2	7 NEW 115 DA	725.00.00	450 EPC	459.US	463.US

Dockot	Annlication	Patent		Country	Application	Grant Date	Title
Number	Number	Number	Owner	Маше			Testing Methods and
				-			Communications
(AT&T Wireless	United States 2	78-Nov-00		Monitoring Network
470.05	020743						Performance Using
							Location & Performance
					24.Dec.00		Information
311627	.09/745268		AT&T Wireless	United States	20.000-12		Method and Apparatus for
472.03	03011000				-		Use in Providing a
					1		Discounted Call Rate for
•	99770	•	AT&T Wireless	Canada	02-Aug-00		Method and Apparatus for
474.CA	2314833						Use in Providing a
				European Patent			Discounted Call Rate for
			ATPT Wireless		02-Aug-00		Wileless Commercial for
474.EPC	116197.5		Aldi Wildias				Use in Providing a
							Discounted Call Rate for
					24-Dec-01		Wireless Communications
)	1100003 5	•	AT&T Wireless	Hong Kong	2000-17		Method and Apparatus for
4/4.71							Use in Providing a
•					•.		Uscounted Call Nate for
			AT&T Wireless	Japan	07-Aug-00		Wheless Collinsonship for
474.JP	2000-238722		2000				like in Providing a
	<u> </u>						Discounted Call Rate for
			:	11-thod Chatoe	25_Anr-00	28-Oct-03	Wireless Communications
21174	09/557381	6640096	AT&T Wireless	United States	20.000		Method for Registering
20:11							With a Communication
			AT&T Wireless	Brazil	05-May-00		Method for Registering
475.BR	143329						With a Communication
	•				19-Apr-00	16-Mar-04	Service
475.04	2305971	2305971	AT&T Wireless	Canada	20 144.01		Method for Registering
410.01				European Patent			With a Communication
			AT&T Wireless	Convention	13-Mar-00		Method for Registering
475.EPC	302020.3		3				With a Communication
				2000	27-Apr-00		Service
475.JP	2000-127609		AT&T Wireless	Japan			Method for Registering
			. !		01-Mav-00		Service
475.TW	89108248		AT&T Wireless	Idiwali			
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Number Number	Application Number	Patent Number	Own	Country	Application	Grant	
					Date	Date	I IT IE Method for Registering
475.US	09/306761		AT&T Wireless	United States	07-May-99		With a Communication Service
475.US.C1	10/890298		AT&T Wireless	United States	14. [1:].04		Method for Registering With a Communication
481.US	09/615485	6577723	AT&T Wireless	United States	13, [11]-00	40	Application of TCAP
				200	00-50-50	10-3un-03	Criteria in SCCP Routing
							Using Local Number
483.US	-176167		AT&T Wireless	United States	07-Jun-00		Redirect Terminating Calls
				Patent			O d Service Node
488.PCT	PCT/US02/21308		AT&T Wireless	Treaty	31-Jul-02		Attribute Rule Enforcer for a Directory
488.US	588650		AT&T Wireless	United States	01-Aug-01		Attribute Rule Enforcer for
				·			Methods and Systems for
490 CA	2462700		:				Communicating and Controlling Facsimile
TO:OCT	2403700		AT&T Wireless	Canada	20-Dec-01		Information
				Patent			Methods and Systems for
490.PCT	PCT/US01/49729	·	AT&T Wireless	Cooperation	20-Dec-01	•	Controlling Facsimile
	•						Methods and Systems for
490.05	000277700						Communicating and Controlling Facsimile
	1000		A I & I Wireless	United States	21-Dec-00		Information
							Methods and Systems for
490.US.C1	mailed		AT&T Wireless	United States	17-Seo-04		Controlling Facsimile
٠.				-			Method of Sharing Revenue for Transmission
491.AR	10104905		AT&T Wireless	Argentina	18-Oct-01		of Wireless Data From a
				Patent			A Method of Sharing
491.PCT	PCT/US01/50369		AT&T Wireless	Cooperation			of Wireless Data From a
!			2000	Local	וש-ספו-סו		Venice

				Country	Application	Grant	
Docket	Application	Patent	2000		Date	Date	Sharing of Sharing
Number	Number	Number	Owler			-	Revenue for Transmission
							of Wireless Data From a
			ATOT Mirelace	Venezuela 1	18-Oct-01		System and Method for
91.VZ	2206-2001		Alai Wildias				Automatically Transferring
							a Call From a First
•	-						Telephone to a Designated
			-				Telephone in Close
			;	Linited States	20-Dec-99		Proximity
3118	2578858		AT&T Wireless	1			System and Method for
20:00							Radio Link to Directly
							Communicate Between
							Telephones Connected
							Through a
							Primary Communications
				United Chates	20-Dec-99		Network
9	2557208		AT&T Wireless	Ollited Oraco			Telematics Services
494.05	2331 300		-				System Using verifice
							Electronics for merical
			et Mindoe	United States	16-Oct-00		Methode and Systems for
497 LIS	09/688401		Atai wiiddaa		•		Heing Network Capabilities
121:22		.					to Correct Phone Displays
			AT&T Wireless	United States	18-Dec-00	\ \ \ \ +-	Multiple Handset Cradle
498.US	09/739044				00 779		Assembly
			AT&T Wireless	United States	00-A0N-87		Methods and Systems for
499.US	311432				•		Audio Distribution Over
							Aircraft
							Widoo
			4 TOT (Affectors	United States	10-May-01	-	Activation and Remote
501 115	-266747		AIGI WIIGIGSS				Modification of Wireless
							Services in a Packet
					07 Nov00		Network Context
	*		AT&T Wireless	United States	2001-10		A Method for Programming
503.US	09/70/6/1						a Mobile Station Using a
							Permanent Mobile Station
			-	Sofoto Last	01-Nnv-00		Identifier
	00100000		AT&T Wireless	United States		ļ 	Method and Apparatus to
504.US	0301180						Alert Messaging for Audio
	-			European Patent	00 11000 00		Alerting Capable Terminals
	1		AT&T Wireless	Convention	103-May-04		
506.EPC	2734147.8				:		<u>-</u>

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Title	Method and Apparatus for Providing Personal Audio Alert Messaging for Audio Alerting Capable Terminals	Personal Audio Alert Message for Audio Alerting	Method and Apparatus for Providing Interactive Text Messages During a Voice Call	Method and Systems for Managing Customizable Content on Wireless Data Devices	Method and Systems for Managing Customizable Content on Wireless Data Devices	Methods and Systems for Managing Information on Wireless Data Devices	Using Wireless Cookles to Deliver Network-Based Location Information	Using Wireless Cookies to Deliver Network-Based Location Information	System and Method of Providing Public Volcemall Service to Private Network Subscribers	System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device	System and Method for Using a Temporary Electronic Serial Number for Over-the-Air Activation of a Mobile Device
Grant Date						05-Aug-03					
Application Date	03-May-02	06-Jul-01	31-Jul-01	16-May-01	16-May-01	14-May-01	12-Jun-02	12-Jun-01	30-May-01	05-Nov-01	07-Nov-01
Country Name	Patent Cooperation Treaty	United States	United States	European Patent Convention	Japan	United States	Patent Cooperation Treaty	United States	United States	Argentina	Brazil
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number						6603984					
Application Number	PCT/US02/13904	09/899956	-577934	1111280.2	2001-146263	372427	PCT/US02/18611	09/879351	09/867989	10105179	P10105120-2
Docket Number	506.PCT	506.US	507.US	513.EPC	513.JP	513.US	517.PCT	517.US	519.US	520.AR	520.BR

C	ent Owner Der AT&T Wireless	Country	Application	Grant	
2358175 2358175 2002-558719 PA/a/2001/011175 PCT/US01/47711 PCT/US01/47711	1			בשני	Little
2358175 1994191.3 2002-558719 PCT/US01/47711 PCT/US01/47711	AT&T Wireless				System and Method for
2358175 1994191.3 2002-558719 PAA/2001/011175 PCT/US01/47711	AT&T Wireless				Using a Temporary Flectronic Serial Number
2358175 1994191.3 2002-558719 PA/2001/011175 PCT/US01/47711	AT&T Wireless				for Over-the-Air Activation
2358175 1994191.3 2002-558719 PA/2001/011175 PCT/US01/47711	AT&T Wireless	opera C	03-Oct-01		of a Mobile Device
C 1994191.3 X 2002-558719 CT PA/a/2001/011175 S 09/707593 S 09/707593		Canada	2000		System and Method for
1994191.3 2002-558719 PAa/2001/011175 PCT/US01/47711					Using a Temporary
1994191.3 2002-558719 PA/a/2001/011175 PCT/US01/47711 09/707593					Electronic Serial Number
1994191.3 2002-558719 PA/a/2001/011175 PCT/US01/47711 09/707593		Furnhean Patent	_		for Over-the-Air Activation
1994191.3 2002-558719 PA/a/2001/011175 PCT/US01/47711 09/707593		Consention	07-Nov-01		of a Mobile Device
2002-558719 PA/a/2001/011175 PCT/US01/47711 09/707593	AT&T Wireless	CONVENION			System and Method for
2002-558719 PA/a/2001/011175 T PCT/US01/47711 5 09/707593					Using a Temporary
2002-558719 PA/a/2001/011175 T PCT/US01/47711 09/707593					Electronic Serial Number
2002-558719 PA/a/2001/011175 T PCT/US01/47711 6 09/707593			•		for Over-the-Air Activation
2002-558719 PA/a/2001/011175 T PCT/US01/47711 09/707593		100	07-Nov-01		of a Mobile Device
T PCT/US01/47711 1 09/707593	AT&T Wireless	Japan			System and Method for
PAJAZ001/011175 T PCT/US01/47711 09/707593					Using a Temporary
PA/a/2001/011175 T PCT/US01/47711 09/707593					Electronic Serial Number
PA/a/2001/011175 T PCT/US01/47711 09/707593					for Over-the-Air Activation
PA/a/2001/011175 PCT/US01/47711 09/707593	_	•	Nov. Of		of a Mobile Device
PARZUOTIOTITE PCT/US01/47711 09/707593	AT&T Wireless	Mexico	01-1004-01		System and Method for
PCT/US01/47711 09/707593					Using a Temporary
PCT/US01/47711 09/707593		1000			Electronic Serial Number
PCT/US01/47711 09/707593		Patent			for Over-the-Air Activation
PCT/US01/47711 09/707593		Cooperation	07.Mov.04		of a Mobile Device
09/70/593	AT&T Wireless	Ireaty	10-A0At-10		System and Method for
09/707593 .C1 10/409770		-			Using a Temporary
09/707593 .C1 10/409770					Electronic Serial Number
09/707593 .C1 10/409770	_				for Over-the-Air Activation
.C1 10/409770			07 100-00	08-101-03	of a Mobile Device
.C1 10/409770	AT&T Wireless	United States	00-AON- /0		System and Method for
			-	_	Using a Temporary
					Electronic Serial Number
					for Over-the-Air Activation
	:	1 Inited Chates	08-Apr-03		of a Mobile Device
	AT&T Wireless	Office Orace			System and Method Tor
					Using a Temporary
	· 				Electronic Serial Number
					for Over-the-Air Activation
		Venezilela	05-Nov-01		of a Mobile Device
520 VZ 2001-002318	AI&I WITELESS	Patent			Using a Wireless Cookle to
	,	Cooperation			Deliver Mobile-Based
		Treaty	12-Jun-02		Location Information
525 PCT PCT/US02/18612	AT&I Wireless	Hoary			

· 				T					Γ	·I				
Title	Using a Wireless Cookle to Deliver Mobile-Based Location Information	A Short Message Point-to- Point Protocol Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	Method of Delivering Short Messages Using an SMPP Gateway With a Standard Interface	Method of Binding to a SMPP Gateway	A System and Method for Performing Anti-Spam Control Using a SMPP Gateway	A System and Method for Performing Throttle Control in a SMPP Gateway	A System and Method of Performing Flow Control in a SMPP Gateway	Scrolling Display for Mobile Telephone Text Messaging	Scrolling Display for Mobile Telephone Text Messaging	Network Access Using Network Identification	Shared-Revenue Billing System for Transmission of
Grant Date										-		28-Sep-04		
Application Date	12-Jun-01	16-Nov-01	16-Nov-01	16-Nov-01	16-Nov-00	17-Nov-00	17-Nov-00	17-Nov-00	17-Nov-00	00-voN-91	12-Apr-02	10-Apr-02	02-Oct-01	18-Oct-01
Country	United States	Canada	European Patent Convention	Patent Cooperation Treaty	United States	United States	United States	United States	United States	United States	Patent Cooperation Treaty	United States	United States	Argentina
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number												6799033		
Application Number	09/879349	2428440	1994087.3	PCT/US01/43671	09/714036	09/714035	09/714034	00714033	09/714032	09/714031	PCT/US02/11450	10/120475	09/968528	10104906
Docket Number				527.PCT	527.US1		527.US3						530.US	531.AR

Number N	Docket	Application	Patent		Country	Application	Grant	Ç H
1987994.9 AT&T Wireless Convention 19-Asy-03 V V V V V V V V V	Mumber	Nimber	Number	Owner	Name	Date	Date	200
1987994.9 AT&T Wireless Convention 19-May-03 D D D D D D D D D	Nomber	150mm						Wireless Data From a Vehicle
1987994.9 A1&1 Wireless Convention 19-Oct-01 States Convention 19-Oct-01 States 19-Oct-00 States 19-Oct-00 States					European Patent	10.Mav.03		Apparatus and Method for Monitoring a Wireless Device Associated With a Vehicle
Potention Pote	531.EPC	1987994.9		AT&T Wireless	CONSTITION	20-18-18		Shared-Revenue Billing
C1 10/862773 AT&T Wireless United States 19-Oct-00 15-Jun-04 W W W W W W W W W W W W W W W W W W W	, in	1310011001	•	AT&T Wireless	Patent Cooperation Treaty	19-Oct-01		System for Transmission of Wireless Data from a Vehicle
CP1 10/865773 AT&T Wireless United States 19-Oct-00 15-Jun-04	531.PC1	#B10621020102						Shared-Revenue Billing System for Transmission of Wireless Data from a
C1 10/862773 AT&T Wireless United States 07-Jun-04 C2 mailed AT&T Wireless United States 06-Jul-04 C21 10/885427 AT&T Wireless United States 06-Jul-04 C21205-2001 AT&T Wireless Venezuela 18-Oct-01 C2205-2001 AT&T Wireless Venezuela 18-Oct-01 C3-Jul-02 AT&T Wireless Treaty 03-Jul-02	531.US	09/691798	6751475	AT&T Wireless	United States	19-Oct-00	15-Jun-04	Methods and Systems for
10/862773 AT&T Wireless United States 07-Jun-04								Monitoring Data Communication of a
10/862773 AT&T Wireless United States 07-Jun-04 Printed States United States 06-Jul-04 Printed States 06-Jul-04 10/885427 AT&T Wireless United States 06-Jul-04 AT&T Wireless Venezuela 18-Oct-01 PotTAUS0221073 AT&T Wireless Venezuela AT&T Wireless Treaty 03-Jul-02 AT&MANDA AT&T Wireless Treaty								Wireless Device Associated with a Vehical
10/862773 AT&T Wireless United States 06-Jul-04		. !		ATPT Mireless	United States	07-Jun-04		or Other Device
mailed AT&T Wireless United States 06-Jul-04	531.US.C1	10/862773						Shared-Revenue Billing System for Transmission of
mailed AT&T Wireless United States 06-Jul-04 10/885427 AT&T Wireless United States 06-Jul-04 12205-2001 AT&T Wireless Venezuela 18-Oct-01 Cooperation Cooperation Cooperation O3-Jul-02 AT&T Wireless Treaty O3-Jul-02 AT&T Wireless AT&T Wireless Treaty O3-Jul-02 AT&T Wireless AT&T Wireless Treaty O3-Jul-02 AT&T Wireless					٠			Wireless Data from a
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535 AR	10105972		AT&T Wireless	Argentina	19-Dec-01		Prepaid Phone Service for Both Wired and Wireless Telecommunication Devices	
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Title	Wireless Communications System and Method of Operation for Reducing Fraud	Wireless Communications System and Method of Operation for Reducing Fraud	Wireless Communications System and Method of Operation for Reducing Fraud	Real-Time Network Analysis and Performance Management	Real-Time Drive Network Analysis and Performance Management	A Method and Apparatus to Manage a Resource	A Method and Apparatus to Store, Access, and Forward Messages	SACCH-Based Fast Power Control for GERAN (GSM Edge Radio Access Network)	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo MSISDNs	Hotline Routing of Pre- Activated GSM Subscribers Using Pseudo
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Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
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577.PCT3	PCT/US02/20121		Al&i Wireless	11001)			Method and Apparatus for	
							Providing Power and Wireless Protocol Capability to a Wireless Device, Such as a Wireless	
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588.GB	96113768 4	763807	AT&T Wireless	Great Britain	28-Aug-96	20-Dec-00	Traffic Information Estimation and Reporting System
588.JP	242430/1996		AT&T Wireless	Japan	13-Sep-96		Traffic Information Estimation and Reporting System
588.MX	963902	199227	AT&T Wireless	Mexico	05-Sep-96	24-Oct-00	Traffic Information Estimation and Reporting System
588 50 50 50 50 50 50 50 50 50 50 50 50 50	768685	5732383	AT&T Wireless	United States	14-Sep-95	24-Mar-98	Traffic Information Estimation and Reporting System
589.AU	10091/97	721050	AT&T Wireless	Australia	09-Jan-97	05-Oct-00	Pager-Controlled Wireless Radiotelephone
589.CA	2192500		AT&T Wireless	Canada	10-Dec-96		Pager-Controlled Wireless Radiotelephone
589.EPC	97100336.3		AT&T Wireless	European Patent Convention	10-Jan-97		Pager-Controlled Wireless Radiotelephone
589.JP	2480/1997		AT&T Wireless	Japan	10-Jan-97		Pager-Controlled Wireless Radiotelephone
589.US	08/584417	5737707	AT&T Wireless	United States	11-Jan-96	07-Apr-98	Pager-Controlled Wireless Radiotelephone

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Title	Automated Wireless-Call Completion Using a Paging Network	Automated Wireless-Call Completion Using a Paging Network	Automated Wireless-Call Completion Using a Paging	Automated Wireless-Call	Completion Using a Paging Network	Automated Wireless-Call Completion Using a Paging Network	Method and Apparatus for Spatial Redundancy in Cellular Networks	Analog-to-Digital	Optimal Cellular Radio Mix	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix	igital	Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital Transition: Selecting the	Optimal Cellular Radio Mix	Transition: Selecting the Optimal Cellular Radio Mix	Analog-to-Digital Transition: Selecting the	Optimal Cellular Radio Mix	Analog-to-Digital Transition: Selecting the	Optimal Cellular Radio Mix
· -	Automated Wireless-Call Completion Using a Pagi Network	Automated Wireless-Cali Completion Using a Pagi Network	Automated V Completion	Automated \	Completion Network	Automated Completion Network	Method and Apparatus Spatial Redundancy in Cellular Networks	Analog-to-Digital	Optimal Cel	Analog-to-Digital Transition: Selec Optimal Cellular	Analog-to-Digital	Transition: Optimal Ce	Analog-to-Digital Transition: Selec Optimal Cellular	Analog-to-Digital Transition: Selec	Optimal Cellular	Transition: Optimal Ce	Analog-to-Digital	Optimal Co	Analog-to-Uigital Transition: Selec	Optimal C
Grant Date	19-Oct-00	05-Dec-00		; ; ;		01-Sep-98	07-Sep-99		09-Jul-02			31-Jul-02	31-Jul-02		31-Jul-02	31-Jul-02		·		28-Sep-99
Application Date	09-Jan-97	10-Dec-96		10-Jan-97	10-Jan-97	11-Jan-96	08 Sep. 07		08-Apr-98	02-Jun-98		07-Apr-98	07-Anr-98		07-Apr-98	07-Apr-98		02-Jun-98		03-Jun-97
Country	Australia		an Patent	Convention	Japan	United States	actor Posici	Oillice States	Canada	G G G G	GIII 0	Germany	European Patent	TO THE PARTY OF TH	France	Great Britain		Japan		United States
Owner			A LOS LANGERS	AT&T Wireless	AT&T Wireless		Alga Wildias	Al & I Wireless	AT&T Wireless		Al&I Wireless	AT&T Wireless		AT&T WIFEESS	AT&T Wireless	A TOT A	A G WIEGES	AT&T Wireless	5	AT&T Wireless
Patent			2192513				5802470	5950134		7764077		7 9389000	#:0000000	883317	883317		883317	•		5960339
Application			2192513	97100337.1		241811821	08/584416	2207009		2234324	98109554.2	0.375	98302713.2	98302715.2	98302715.2		98302715.2		10-152363	08/868403
Docket	Jagu		591.CA	591.EPC :			591.US	592.US		593.CA	593.CN		593.DE	593.EPC	603 60	X 1760	593.GB	!	593.JP	503118

Docket	Application	10000					
Number	Number	Number	Owner	Name	Application Date	Grant Date	Title
							Automatic Cellular
				European Patent		-	l elephone Registration for
594.EPC	97103159.6	793375	AT&T Wireless	Convention	26-Feb-97	26-Nov-03	Nimber Septice
							Automatic Cellular
							Telephone Registration for
594.GB	97103159 B	07403450.6	ATOT MANAGES	1000			Universal Telephone
	0.000	97 100 139.0	ATOT WITEIESS	Great Oritain	26-reb-9/	26-Nov-03	Number Service
							Automatic Cellular
							Telephone Registration for
594.JP	45001/1997		AT&T Wireless	Japan	28-Feb-97		Universal Telephone Number Service
			-				Automatic Cellular
	<u>-</u>	<u> </u>					Telephone Registration for
594 KR	10.1007.000587		A T O T 14/1-1-1-1	7 110			Universal Telephone
	1990-000-001		A I & I WITCHESS	South Norea	28-Feb-97		Number Service
							Automatic Cellular
							lelephone Registration for
594.US	08/608232	5960340	AT&T Wireless	United States	28.Feb.06	28.000.00	Universal lejephone
			200000000000000000000000000000000000000	OIIIIGO Oralgo	20-10-20	86-dac-02	Wil-line Service
						•	Villetess Communications
							Improving Comminications
595.US	08/862095	6002935	AT&T Wireless	United States	22-May-97	14-Dec-99	Resource Allocation
				•			Wireless Communications
							Cellular Architecture for
595 US C2	09/893869		ATPT Missions	Linited Otatos	70 1		Improving Communications
70:00:00	6006060		AI & I WITCHESS	United States	10-Un-67		Resource Allocation
							Method for Predicting the
		-				•	Station in a Mobile
596.US	08/941231	6052598	AT&T Wireless	United States	30-Sep-97	18-Apr-00	Communications Network
					•		Method for Self-Calibration
597 CA CD1	2204845	270704	ATOT IAN TOTA	2	20 11500	0	of a Wireless
	201027	2204013	ATOT WHERES	Callada	00-May-97	12-Aug-03	Mothed for Salf Calibration
	· .	• •				•.	of a Wireless
597.CA.CP1D1	2350939		AT&T Wireless	Canada	08-Mav-97		Communication System
							Method for Self-Calibration
20100 40 203							of a Wireless
SW.CA.CP1D2	2352594		AT&T Wireless	Canada	08-May-97		Communication System
, C				European Patent			Wireless Communication System With Adaptive
387.EPC.D1	1116398.7		AT&T Wireless	Convention	08-Jul-01		Channel Allocation

	acitocil	Patent		Country	Application	Date	Title
Docket	Application	Nimber	Owner	Name	Dale		Method for Self-Calibration
Number	Number	Name					of a Wireless
				lanan	24-Oct-97		Communication
507 IP CP1	291857/1997		AT&I WIREIESS				Method for Self-Calibration
10:10:160							of a Wireless
					10-Jul-01		Communication System
	2004,206584		AT&T Wireless	Japan			Method for Self-Calibration
597.JP.D1	2001-1002		<u></u>				of a wireless
			A TO T Mirologe	United States	25-Oct-96	29-Oct-02	Wethod for Self-Calibration
597.US.CP1	08/736871	6473623	AIGI WIICIGSS				of a Wireless
			•		20,000	10-Aug-04	Communication System
		6775549	AT&T Wireless	United States	08-Oct-02	2	Method for Self-Calibration
597.US.CP1C1	1133622	2000				· ·	of a Wireless
				1 Inited States	30-Dec-98	17-Dec-02	Communication System for
597 US.D1	09/222894	6496699	AT& Wireless				Providing Access to a
							Telecommunications
				-	42 Mar.08	18-Feb-03	Network
	00000	2231928	AT&T Wireless	Canada	00-10M-71		Method and System for
598.CA	2231920	2200				<u></u>	Providing Access to a
							Telecommunications
				0 crit0	02-Jun-98		Network
140 003	J 98109550.X		AT&T Wireless	Cillia		ļ	Method and System for
230.01							Providing Access to a
							l elecommunications
				Cormony	02-Mar-98	19-May-04	Network
1. 60	08301494.5	883315	AT&T Wireless	Germany			Method and System for
288.DE	2:10:00						Providing Access to a
				European Patent			Letecommunications
				Convention	02-Mar-98	19-May-04	Network Conform for
200 600	98301494.5	883315	AT&T Wireless				Method and System of
230.57							Telecommunications
					00	19-May-04	Network
			AT&T Wireless	France	02-Mar-98	LO LONGY OF	Method and System for
598.FR	98301494.5	883315	5				Providing Access to a
				-			Telecommunications
		,			N2-Mar-08	19-May-04	Network
-	002014004.5	883315	AT&T Wireless	Great Britain	OC IBINITION		Method and System for
298.65	2000					· 	Providing Access to a
							Network
			AT&T Mireless	India	01-Apr-98		

Docket Application Number Number 598.JP 10-145267 598.JP 10-145267 598.US 984354 600.BR 0003715-0	Patent Number	Owner AT&T Wireless AT&T Wireless	Country Name Japan	Application Date	Grant Date	Title
10-1 9845 10-1		AT&T Wireless AT&T Wireless AT&T Wireless	Japan			10 moje. 10 mer 7
		AT&T Wireless AT&T Wireless AT&T Wireless	Japan			Method and System for
		AT&T Wireless AT&T Wireless AT&T Wireless	Japan Mexico	-		Providing Access to a
		AT&T Wireless AT&T Wireless AT&T Wireless	Japan Mexico	27 1/2:: 00		Telecommunications
		AT&T Wireless AT&T Wireless	Mexico	ZI-May-90		Mathed and Custom for
		AT&T Wireless AT&T Wireless	Mexico			Providing Access to a
		AT&T Wireless AT&T Wireless	Mexico			Telecommunications
		AT&T Wireless		01-Jun-98		Network
		AT&T Wireless				Method and System for
		AT&T Wireless				Providing Access to a
		AT&T Wireless				Telecommunications
			United States	03-Jun-97		Network
						International Roaming
			•			Service for Permitting a
		·				Cellular/Wireless
						Telephone Instrument to
						Access Different Wireless
						Telephone Network
		AT&T Wireless	Brazil	21-Aug-00		Systems
						International Roaming
						Service for Permitting a
	-		•			Cellular/Wireless
						Telephone Instrument to
						Access Ullierent Wireless
						Telephone Network
600 CA 2316088		AT&T Wireless	Canada	17-Aug-00		Systems
						International Roaming
_				-		Service for Permitting a
						Cellular/Wireless
		_				Telephone Instrument to
-		_		-		Access Different Wireless
			European Patent	;		l elephone Network
600.EPC 112746.3	-	AT&T Wireless	Convention	16-Jun-00		Systems Security Described
						Coning for Domitting a
						Cethilar Mirefess
						Telephone Instrument to
,		•		•	<u></u>	Access Different Wireless
						Telephone Network
		AT&T Wireless	Japan	25-Aug-00		Systems
500.JP 2000-234010		2000111				International Roaming
-						Service for Permitting a
		•		. !		Cellular/Wireless
600.13	6754490	AT&T Wireless	United States	27-Aug-99	ZZ-3un-04	l elephone instrument to

						- tuni	
Docket	Application	Patent	!	Country	Application Date	Date	Title
Number	Number	Number	Owner	Name			Access Different Wireless
							Systems
							International Roaming
							Service for Permitting a
	_						Cellular/wireless
		•					Telephone instrument to
							Access Different Wireless
							Telephone Network
				1 Inited Chates	17~Jun-04		Systems
70 01 000	police		AT&T Wireless	Onlieu Sigres			Method and Apparatus for
600.US.C.1	Haired						Navigation Using a
	-						Portable Communication
				11-14-of Chattee	22-Dec-99	13-Nov-01	Device
21.000	00/460266	6317684	AT&T Wireless	Officed States			Method and Apparatus for
602.US	03/403/00		-				Enhanced 911 Location
							Using Power Comor in a
				United States	21-Jan-00	11-Jun-02	Wireless System
5115	09/489477	6404388	A1&1 Wireless	Common Common			Method and Apparatus to:
903:03							Enhanced 911 Location
							Using Power Control in a
				United States	24-May-02	08-Jul-03	Wireless System for
GO3 US C1	10/155380	6590533	AT&T Wireless	Ollifor Charles			Method and Apparatus to
000000							Ennanced 91,1 Cocason
		·					Using rower Control
				Libited States	06-Jun-03		Wireless System
ena 115 C1/1)	10/456052		AT&T Wireless	Olimon Olimon			Intelligent Koadway
903.03.011				Linited States	15-Nov-02	01~Jun-04	System
70 011 700	10/295293	6744383	AT&T Wireless	Office States			Enhanced Communication
904.03.01							Service for Predicting and
				-			Handing Commonwell
			ATOTIMIzatoes	United States	06-Jul-01		Internation
605.US	09/900773		Algi Wildias	Cumpan Patent			
			9701211817074	Convention	18-Feb-03		Secure Online Purchasing
606.EPC	3743137.6		AIGI WIIGIGSS	Patent			
		_ 		Cooperation			Price Princhasing
			AT&T Wireless	Treaty	18-Feb-03		Secure Olimia Latina
606.PCT	PCT/US03/04650		Selective Fare	United States	22-Feb-02		Secure Online Purchasing
606.US	10/080988		AI&I WIEBSS	Soloto Charles	20 May 02		Secure Online Purchashig
ANR 11S CP1	10/160656		AT&T Wireless	United States	20-1410		A Call Queue in a Wireless
				Ototo Ctoto	13-Dec-01		Device
807.US	10/017629		AT&T Wireless	United States	100001		
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Patent Number Owner
AT&T Wireless

Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Name			Configured Based on Same
							Methods and Apparatus for Formatting Information for
			AT&T Mirelece	United States	22-Jul-02		a Communication
638.US	216500		Alai Wildias				Conditional Application
		,	AT&T Wireless	United States	19-Dec-02		Device
639.US	10/324494		Alai Wildias				Authomated Device
							Based on Network
				Soloto Profice	10-Dec-02		Charging and Rating Conditions
640.US	10/324354		AT&T Wireless	United States	13-060-61		Automated Device
							Behavior Management
			•	Soloto Chatter	19-Dec-02		Preferences
641.US	10/324159		AT&T Wireless	Office States			Control of Security or
						٠.	Ease-of-Use Sensitivity for
							Device
2110	10/324870	-	AT&T Wireless	United States	19-Dec-02		Verification System for
015:00				:			Facilitating Transactions
				٠.	;	_•	Via Comunication
							Method
EAA 11S	10/325408		AT&T Wireless	United States	Z0-08C-0Z		General Purpose
20.110							Automated Activation and
<u>.</u>	10700301		AT&T Wireless	United States	31-Oct-03		Self-Activation via Wired
943.US	10000101		2 T 8 T 1 A C 2 C 2	I Inited States	01-Nov-02		Web and Device
645P.US	60/423224		Alai Wileiess				System and Method IOI Network Data Quality
			•	1 Inited States	31-Dec-02		Measurement
-646.US	1779371		AT&T Wireless	Olinea Oraco			Networks and Methods
					23 May 03		Integrating Ligital Mobile Standards
649.US	10/445173		AT&T Wireless	United States	CO (BIAL-CZ		Interface for a Multi-
9	401364434		AT&T Wireless	United States	12-Feb-03		Messaging System
652.05	10/30442		2001-014/	Chited States	16-Jan-03		Autopopulation of Address Book Entries
653.US	10/346497		A I & I WITBIESS	20000 00000			
							•

Docket	Application	Patent		Country	Application	Grant		
Number	Number	Number	Owner	Name	Date	Date	Title	
				D-44			Location Determining	guir
				Fatent	-		System for Wireless	SS
•		·	_	Cooperation			Network and Associated	ociated
655.PCT	PCT/US03/18449		AT&T Wireless	Treaty	10-Jun-03		Method (Friend Finder)	inder)
							System for Providing	ling
						•	Location-Based Services in	ervices in
							a Wireless Network, Such	rk, Such
							as Locating Individuals and	duals and
655.US	10/324984		AT&T Wireless	United States	20-Dec-02		Coordinating Meetings	tings
							System for Providing	ling
		- •					Location-Based Services in	ervices in
							a Wireless Network, Such	rk, Such
					•		as Modifying Locating	eting
						-	Privileges Among	
							Individuals and Managing	anaging
			•				Lists of Individuals	s
							Associated with Such	hon
655.US1	10/325566		AT&T Wireless	United States	20-Dec-02		Privileges	
							Apparatus and Systems for	stems for
			-	•			Providing Location-Based	n-Based
							Services Within a Wireless	Wireless
655.052	10/325270		AT&T Wireless	United States	20-Dec-02		Network	,
							Data Structures and	פ
				•			Methods for Location-	tion-
	. !		:	:	;	•	Based Services Within a	Vithin a
655.US3	10/325032		AT&T Wireless .	United States	20-Dec-02		Wireless Network	
							Method for Providing	ling
		•	•				Location-Based Services in	ervices in
				•			a Wireless Network, Such	rk, Such
655.1154	10/325322		AT&T Wireless	United States	20-Doc-02		as Varying Levels of	<u></u>
			2000	Datont Datont	70-00-07		COLVICES	
		•		Connession			· · · · · · · · · · · · · · · · · · ·	•
658 PCT	PCT///S03/35430		AT&T Wireless	Treaty	24-0-4-03		Profile Uriven Response to	sponse to
			5500	Sec	20.00		Design Dailing	of God a
658.US	10/281651		AT&T Wireless	United States	28-Oct-02		Communication Events	sponse to
							Simplified Wireless Davice	Dovice
665.US	10/617437	•	AT&T Wireless	United States	11-Jul-03		Pairing	3
•				Datent			System and Method for	od for
				Cooperation			Integrating Local-Area and Wide Area Wilder	Area and
668.PCT	PCT/US03/33513		AT&T Wireless	Treaty	23-Oct-03		Networks	2

		Datent		Country	Application	Grant	Title
Docket	Application	Number	Owner	Name	Date	Date	System and Method for
Number	Number	Nullibei					Integrating Local-Area and
	<u> </u>						Wide-Area Wireless
				Chatter Chatter	20-Dec-02		Networks
-	221138		AT&T Wireless	United States	200000		System and Method for
50.89	-351136			Patent			Content Delivery Using
				Cooperation			Allemate Data Facilia III
				Treatv	23-Oct-03		Wildias Inches
SR9 PCT	PCT/US03/33593		A1&1 Wireless	Zipoli			System and Meurod for
		ĺ					Content Delivery Oshing
							Wireless Network
			AT&T Wireless	United States	20-Dec-02		System and Method for
SU.699	10/324613			400			Delivering Data Services in
				Patent			Integrated Wireless
				Cooperation	22 004 03		Networks
1	עספנטוטואדטם		AT&T Wireless	Treaty	20-000-62		System and Method for
670.PC1	FC1/0303/33						Delivering Data Services in
							Integrated Wireless
				Octobal Control	20.Dec.02	•	Networks
01.010	10/324667		AT&T Wireless	United States	40-000 VE		Improved Delivery of
070.03			1	1 Inited States	02-Jan-03		Network Services
81018	2428042		AT&T Wireless	Office Orace			Improved Delivery of
20:5				11-ited Chates	n2lan-03		Network Services
SILIS	2428773		AT&T Wireless	Omited States		_	Improved Delivery of
20.000			ATOT Missipee	United States	02-Jan-03		Network Services
681.US	2578888		AIG Windias				Improved Delivery of
			atot Missioss	United States	02-Jan-03		Network Services
682.US	2574139		AIGI Micies				
				· .			Improved Delivery Of Network Services
			AT&T Wireless	United States	07-Apr-03		Improved Delivery of
685.US	10/410662			Chatter Chatter	07-Apr-03		Network Services
. SB 1 IS	10/410663		AT&T Wireless	United States			One Button Access to
20:000							Network Services from a
				1 Inited States	07-Jul-03		Remote Control Device
690.US	10/612970		AI&I WIFEIESS				Automatic Device
					0 000		Configuration to Receive Network Services
604 115	2006188		AT&T Wireless	United States	on-dap-ci		Identification of SIM Based
20:180			AT&T Wireless	United States	27-Apr-04		Device
691.US.CP1	10/833412						

Application Number		Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							Distributed Profile Storage and Management in a Telecommunication
1027337 AT&T Wireless	AT&T Wirel	AT&T Wirel	ess	United States	16-Jun-03		Application of Dynamic
AT&T Wireless	AT&T Wire	AT&T Wire	. 929	United States	16-Jun-03	·	Profiles to the Allocation and Configuration of Network Resources
	IN TOTA	TOTA		United States	27lun-03		Device and Method for Improved Text Entry on an Alohanumeric Keypad
2283859 AT&T Wireless	AT&T WI	AT&T Wir	eless	Canada	24-Feb-98		Highly Bandwidth-Efficient Communications
AT&T Wireless	AT&T WIR	AT&T Wire	ess.	European Patent Convention	24-Feb-98		Highly Bandwidth-Efficient Communications
	AT&T Wir	AT&T Wire	eless	Japan	24-Feb-98		Highly Bandwidth-Efficient Communications
6350073		AT&T Wire	less	United States	18-Dec-97	19-Mar-02	Highly Bandwidth-Efficient Communications
		AT&T Wire	less .	United States	03-Aug-01		Highly Bandwidth-Efficient Communications
September AT&T Wireless		AT&T Wirel	v v	United States	28-Nov-00	16-Sep-03	Priority Messaging Method for a Discrete Multitone Spread Spectrum Communications System
100 700							Method of Polling Second Stations for Functional Quality and Maintenance Data in Discrete Multitone
198207 6480522 AT&T Wireless		AT&T Wire	less	United States	28-Nov-00	12-Nov-02	Spread Spectrum Communications System
a g		AT&T Wire	less	United States	05-Aug-98	29-Jul-03	Vertical Augusto Americal Array for a Discrete Multitone Spread Spectrum Communications System
		AT&T Wire	less	United States	10-Dec-01	24~Jun-03	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System
		AT&T Wire	eless	United States	08-May-03	24-Aug-04	Vertical Adaptive Arterina Array for a Discrete Multitone Spread Spectrum

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AT&T Wireless		Pate	<u>ا</u> ا	, and a	Country	Application	Date	Title
United States 20-Jut-04 Ann Ann Ann Ann Ann Ann Ann Ann Ann A	Number Number	Nump		OWIG				Communications System
United States 20-Jul-04 October Coctober Coct								Vertical Adaptive Antenna
United States 20-Jul-04 Co								Multitone Spread Spectrum
Canada 03-Feb-98 09-Apr-02 Canada Canada 03-Feb-98 Canvention Canada Canada Canada Canvention Canada Canvention Canventi						20-1n1-04		Communications System
Canada 03-Feb-98 09-Apr-02 Discription 03-Feb-98 Canvention 03-Feb-98 Canvention 03-Feb-98 Canvention 03-Feb-98 Canvention 03-Feb-98 Canug-92 Canug-02 Canug-02 Canug-03 Canug-03 Canada Canada Canvention Canve	mailed			AT&T Wireless	1			Method for Frequency
European Patent 03-Feb-98 02-Aug-02 CC Convention 03-Feb-98 02-Aug-02 CC COnvention 03-Feb-98 02-Aug-02 CC COnvention 03-Feb-98 02-Aug-99 CC CC COnvention 03-Feb-98 03-Aug-99 CC C						80.400	09-Apr-02	Owision Duplex Communications
European Patent 03-Feb-98 Convention 03-Feb-98 Convention 03-Feb-98 Co-Aug-02 Convention 03-Feb-98 02-Aug-02 Convention 03-Feb-98 02-Aug-99 Convention 03-Feb-98 04-Apr-03 Convention 03-Feb-98 01-Apr-03 Convention 03-Feb-98 Conventio	2278852 2278852	2278852		AT&T Wireless	Canada	03-ren-30		Method for Frequency
Japan 03-Feb-98 02-Aug-02 05 05 05 05 05 05 05					European Patent	03-Feb-98		Division Duplex Communications
Japan 03-Feb-98 C2-Aug-02 C Mexico 03-Feb-98 02-Aug-02 C United States 06-Feb-97 03-Aug-99 C United States 07-Mar-03 C D United States 06-Feb-97 04-Jul-00 C S United States 30-Dec-98 04-Apr-09 C S Canada 24-Feb-98 01-Apr-03 C S Canada 24-Feb-98 01-Apr-03 C S Convention 24-Feb-98 01-Apr-03 C	98908475.1			AT&T Wireless	Convention	25.72.1-20		Method for Frequency
Mexico 03-Feb-98 02-Aug-02 0 United States 06-Feb-97 03-Aug-99 C United States 19-Apr-99 06-May-03 C United States 07-Mar-03 C C United States 06-Feb-97 04-Jul-00 C S United States 30-Dec-98 04-Apr-00 C S Canada 24-Feb-98 01-Apr-03 C European Patent 24-Feb-98 01-Apr-03 C Ss Convention 24-Feb-98 01-Apr-03				,		03.Feb.98		Communications
Mexico 03-Feb-98 02-Aug-02 C United States 06-Feb-97 03-Aug-99 C United States 19-Apr-99 06-May-03 C United States 07-Mar-03 C C United States 06-Feb-97 04-Jul-00 C United States 30-Dec-98 04-Apr-00 C S Canada 24-Feb-98 01-Apr-03 C European Patent 24-Feb-98 01-Apr-03 C Ss Convention 24-Feb-98 01-Apr-03	10-534899			AT&T Wireless	Japan	20 120		Method for Frequency
United States 06-Feb-97 03-Aug-99 C United States 19-Apr-99 06-May-03 C United States 07-Mar-03						03. Eeb. 98	02-Aug-02	Division Duplex Communications
United States 06-Feb-97 03-Aug-99 COMited States 19-Apr-99 06-May-03 CONVention 24-Feb-98 01-Apr-03 CONVention 24-Feb-98 CONVention 24-Feb-98 CONVention 24-Feb-98 CONVention 24-Feb-98 CONVention CON	997160 209442	209442		AT&T Wireless	Mexico	20.20		Method for Frequency
United States 19-Apr-99 06-May-03 0 United States 07-Mar-03 0 04-Jul-00 0 United States 06-Feb-97 04-Jul-00 0 0 United States 30-Dec-98 04-Apr-00 0 0 01-Apr-03 0 0 01-Apr-03 0 0 01-Apr-03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	• .		•	TOTAL TOTAL	United States	06-Feb-97	03-Aug-99	Communications
United States 19-Apr-99 06-May-03 Not the States 07-Mar-03 04-Jul-00 Of the States 06-Feb-97 04-Jul-00 Of the States 30-Dec-98 04-Apr-00 Of the States 30-Dec-98 01-Apr-03 Of the States States 34-Feb-98 Of the States Convention 24-Feb-98 Of the States Convention States 19-Apr-03 Of the States States 19-Apr-03 Of t	08/796584 5933421	5933421		Aldi Wildias				Method for Frequency
United States 07-Mar-03 United States 06-Feb-97 04-Jul-00 C C C C C C C C C C C C C C C C C C					1 Inited States	19-Apr-99	06-May-03	Communications
United States 07-Mar-03 United States 06-Feb-97 04-Jul-00 United States 30-Dec-98 04-Apr-00 canada 24-Feb-98 01-Apr-03 European Patent 24-Feb-98 01-Apr-03 Convention 24-Feb-98	09/294174 6560209	6260209		AT&I Wireless	OIIIICO OCARCO			Method for Frequency
United States 07-Mar-03 United States 06-Feb-97 04-Jul-00 04-Jul-00 04-Apr-00 04-Apr-						•		Division Duplex
United States 06-Feb-97 04-Jul-00 P United States 30-Dec-98 04-Apr-00 P Canada 24-Feb-98 01-Apr-03 P European Patent 24-Feb-98 01-Apr-03 P Convention 24-Feb-98 01-Apr-03 P	10/383076			AT&T Wireless	United States	07-Mar-03		Remote Wireless Unit
United States Ub-rec-37 C-24-Feb-98 04-Apr-00 Canada 24-Feb-98 01-Apr-03 Convention 24-Feb-98	0.2000.01					,	04-14-00	Having Reduced Power
United States 30-Dec-98 04-Apr-00 Canada 24-Feb-98 01-Apr-03 Convention 24-Feb-98	08/796586 6085114	6085114		AT&T Wireless	United States	16-0a-1-00		Remote Wireless Unit
Canada 24-Feb-98 01-Apr-03 European Patent 24-Feb-98						20.700.08	04-Apr-00	Having Reduced Power Operating Mode
Canada 24-Feb-98 01-Apr-03 European Patent Convention 24-Feb-98	09/222895 6047200	6047200		AT&T Wireless	United States	30-060-30		Out of Channel Cyclic
Canada 24-Feb-98 01-Apr-03 European Patent Convention 24-Feb-98								for a Discrete Multitone
Canada 24-Feb-98 01-Apr-03 European Patent Convention 24-Feb-98								Spread Spectrum
European Patent Convention 24-Feb-98		1		A TOT (Alloclose	Canada	24-Feb-98	01-Apr-03	Communications System
European Patent 24-Feb-98	2281818 2281818	2281818		A G W W G G G G G G G G G G G G G G G G				Redundancy Code Method
Convention 24-1-80-90					European Patent			Spread Spectrum Communications System
	98911401.2		-	AT&T Wireless	Convention	74-L80-20		

Dockot	Amiliantia						
Number	Application	Patent Number	Owner	Country	Application Date	Grant Date	Title
	•						Out of Channel Cyclic Redundancy Code Method for a Discrete Multitone
704.MX	997730	209008	AT&T Wireless	Mexico	24-Feb-98	17-Jul-02	Spread Spectrum Communications System
705.US	08/803833	5896425	AT&T Wireless	United States	24-Feb-97	20-Apr-99	Non-Uniformly Spaced Tones for Synchronization Waveform
707.US	08/806508	5864543	AT&T Wireless	United States	24-Feb-97	26-Jan-99	Transmit/Receive Compensation
707.US.C1	09/095748	6175555	AT&T Wireless	United States	11-Jun-98	16-Jan-01	Transmit/Receive Compensation
			٠				Method for Linearization of
							Electronics Using Baseband Pre-Distortion in
708.US	08/804615	5872814	AT&T Wireless	United States	24-Feb-97	16-Feb-99	T/R Compensation Pilot Signals
							Method for Gaining Access to a Shared Medium Which
709.US	08/806507	6002664	AT&T Wireless	United States	24-Feb-97	14-Dec-99	Improves Over the Slotted Aloha Scheme
710.US	08/804614	5889814	: AT&T Wireless	United States	24-Feb-97	30-Mar-99	Transmit/Receive Compensation for a Dual FDD/TDD Architecture
711.US	08/803832	5909641	AT&T Wireless	United States	24-Feb-97	01-Jun-99	Transmit/Receive Switch
		·					Adaptive Weight Update Method and System for a Discrete Multione Spread
713.US	08/804616	5923700	AT&T Wireless	United States	24-Feb-97	13-Jul-99	System
•.			·				Adaptive Weight Update Method and System for a Discrete Multitone Spread
713.US.C1	09/999048		AT&T Wireless	United States	15-Nov-01		System
							Adaptive Weight Update Method for a Discrete
713.US.C2	09/299079	6160839	AT&T Wireless	United States	26-Apr-99	12-Dec-00	Multitone Spread Spectrum Communications System

Docket	Application	4		Country	Application	Grant	
Niembor		Patent		Name	Date	Date	Title
	Number	Number	Owner	Name			Adaptive Weight Update
							Method and System for a
							Discrete Mulitione Spread
						40 hip 02	System
	1000000	6408016	AT&T Wireless	United States	31-0ct-00	10-2011-02	Inventory Pipeline
13.US.CZC1	08/88301	210000			;	46 1402 00	Management System
•	L	6994200	AT&T Wireless	United States	01-May-97	10-Mar-99	FOO Found Link
715.US	-646995	2004200					FUU FUIWAIQ CIIIIA
							Beamforming Metriculor of a
					1	34 755 03	System
•		1262258	AT&T Wireless	Canada	23-Feb-99	31-Dec-02	EDD Forward Link
717.CA	2262358	2507077					Reamforming Method for a
				1			FDD Communications
				European Patent	25.Eah.00	04-Aug-04	System
747 EDC	00301378 B	940934	AT&T Wireless	Convention	22-180-22		FDD Forward Link
21.51	220000						Beamforming Method for a
							FDD Communications
				1 Inited States	05-Mar-98	17-Oct-00	System
717.US	09/035286	6134261	AT&1 WITEIESS	Dillion Commo			Near-Optimal Low-
							Complexity Decoding of
							Space-Time Codes for
					,		Applications
			AT&T Wireless	Canada	10-Dec-98	Ub-Aug-uz	Applications of the second of
720.CA	2255464	2255464	AIGH WHICHOS				Near-Optimal Low-
							Complexity become 5:
							Space-Ilmelcodes to
							Fixed Wireless
				Germany	17-Dec-98	.	Applications
720.05	69823326.3-08	98124231.6	AT&I Wireless	Commen			Near-Optimal Low-
10.02							Complexity Decoding of
							Space-Illie Coccs in
				European Patent			Anoticotione
			ATRT Wireless	Convention	17-Dec-98	21-Apr-04	Noar Optimal low-
720.EPC	98124231.6	938194	2503111				Near-Opullial Londing of
			_	-	<u> </u>		Complexity Decoming of
							Clyod Wireless
		-		European Patent			Applications
1			AT&T Wireless	Convention	17-Dec-96		Near-Ontimal Low-
720.EPC.D1	4009318.9				·		Complexity Decoding of
				-			Space-Time Codes for
							Fixed Wireless
			-		17.Dec-98		Applications
720 FR	98124231.6		AT&T Wireless	rrance			

Docket Number	Application Number	Patent Number	Owner	Country	Application	Grant	
<u> </u>					Dale	Date	Title
							Near-Optimal Low-
							Complexity Decoding of
720.GB	98124231 8		; ;	•			Fixed Missing
	0.1624201.0		AT&T Wireless	Great Britain	17-Dec-98		Applications
							Near-Ontimal 1 ow-
-							Complexity Decoding of
							Space-Time Codes for
720.MX	9810841		ATRT Wisologe				Fixed Wireless
			A LOLI VALICIESS	Mexico	16-Dec-98		Applications
	-						Near-Optimal Low-
				-			Complexity Decoding of
730116							Space-Time Codes for
120.03	-610075	6188736	AT&T Wireless	United States	21-Apr-98	43 Est 04	Fixed Wireless
						12-180-01	Applications
					-		Near-Optimal Low-
							Complexity Decoding of
720.US.C1	00/800542						Space-1 ime Codes for
	7400000	6470043	AT&T Wireless	United States	17-Oct-00	22.0~4.02	And Wireless
	-					20-00-72	Applications
	-						Near-Optimal Low-
		_					Space Time Court of
720.US.C1(1)	10/234407	R74162E					Fixed Wireleds
		074 1033	AT&T Wireless	United States	03-Sep-02	25-Mav-04	Applications
							Nosc Options
							Near-Optimal Low-
			-				Complexity Decoding of
720.US.C1/2)	10/838553	•					Cival Missister
	20000		AT&T Wireless	United States	√04-May-04		Applications
							Transmitter Diversity
721.CA	2303388		AT&T Wireless	Canada	31.010.00		Technique for Wireless
					oc-Rnv-io		Communications
734 0 4 0 4							Transmitter Diversity
10.CA.D.	2405875		AT&T Wireless	Canada	31-Aug-98		l echnique for Wireless
•							Transmitter Discoult.
721.CL	1060,2003			-			Technique for Minutes
	2007-0001		AT&T Wireless	Chile	27-May-03		Communications
721.DE1	29824763.1	29824763 1	AT9T Missions				Sender for Wireless
			A WHENESS	Germany	31-Aug-98	13-Jun-02	Communications
721.DE2	29824760.7	29824760.7	AT&T Wireless	, moon			Receiver for Wireless
				Connigni	08-8nv-10	13-Jun-02	Communications

	2019	Datent		Country	Application	Grant	Title	
Docket	Application	Number	Owner	Name	Date		System for Wireless	
Number	Number			Viemo	31-Aug-98	13-Jun-02	Communications	
21.DE3	29824761.5	29824761.5	AT&T Wireless				Receiver for Wireless	
			Select Mireless	Germany	31-Aug-98	13-Jun-02	Communications Electronic Circuit for a	
21.DE4	29824765.8	29824765.8	200				Sender for Wireless	
			ATAT Wireless	Germany	31-Aug-98	13-Jun-02	Transmitter Diversity	
721.DE5	29824762.3	29824762.3				,	Technique for Wireless	
			ATRT Wireless	Germany	31-Aug-98	25-Jun-03	Communications Transmitter Diversity	
721.DE6	69815869.5	1016228		Furopean Patent		3	Technique for Wireless	
		00000	AT&T Wireless	Convention	31-Aug-98	co-unr-cz	Transmitter Diversity	
721.EPC	98944605.9	1016220		Furnpean Patent			Technique for Wireless	
			Speles Wireless	Convention	31-Aug-98		Transmitter Diversity	
721.EPC.D1	3010810.4		Alai Wilcias				Technique for Wireless	
					31-Aug-98	25-Jun-03	Communications	
27 70	98944605.9	1016228	AT&T Wireless	France		ļ	Transmitter Diversity Technique for Wireless	
/21.FR				· •	90 000	25-Jun-03	Communications	
	0 2007	1016228	AT&T Wireless	Great Britain	oe-Row-10		Transmitter Diversity	
721.GB	98944003.9					40.00-03	Communications	
		DI3427	AT&T Wireless	Georgia	10-Jul-03	20000	Transmitter Diversity	
721.GE	880968	2101					Technique for wireless Communications	
			AT&T Wireless	Hong Kong	24-Feb-04	1	Transmitter Diversity	
721.HK	4101312.5						Technique for Wireless	
			900[00]10	Mexico	31-Aug-98		Transmitter Diversity	Τ-
721.MX	2573		Alat Wireless			<u> </u>	Technique for Wireless	
				1 Inited States	07-May-98	06-Feb-01	Communications	Τ
774 116	2479512	6185258	AT&T Wireless				Technique for Wireless	
121.03					000	10-Aug-04	Communications	Т
	,	0003770	AT&T Wireless	United States	02-080-00		Transmitter Diversity	
721.US.C1	2686604	0113323					Technique for Wireless	
			AT&T Wireless	United States	22-Jun-04		Atothod and Annaratus for	Γ
721.US.C1(1)	10/873567		500		00 CC	22-Apr-03	Remote Unit Passivation	\neg
722.US	2022958	6553237	AT&T Wireless	United States	05-080-70			
		٠.		•	:			

Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	<u></u>	
							Method for Synchronous	nous
723.US	2023689		AT&T Wireless	United States	02-Dec-98		Encryption Over a Communication Medium	 <u>.</u>
							Method for Estimating	2
729.US	09/557672		AT&T Wireless	United States	25-Apr-00		Changes in Product Life for	Life for
							I Ou Completity Marining	20.00
							Likelihood Detection of	
			-				Concatenated Space	
731.CA	2276207	2076207	A TO T 140,410	-		1	Codes for Wireless	<u> </u>
1	2210201	777977	A I & I Wireless	Canada	16-Oct-98	18-Feb-03	Applications	
<i>:</i>			-				Low Complexity Maximum	ximum
				٠			Likelihood Detection of	٥
			-				Concatenated Space	
731.CA.D1	2411286		AT&T Wireless	Canada	16-Oct-98		Applications	-
							Low Complexity Maximum	ximum
							Likelihood Detection of	٥
				Furonean Patent			Concatenated Space	
731.EPC	98953654.5		AT&T Wireless	Convention	48.04.00		Codes for Wireless	
			2000	COLINGIA	10-001-30		Applications	
-				•			Low Complexity Maximum	E vimum
							Concatenated Space	
	. !						Codes for Wireless	
/31.JP	45962		AT&T Wireless	Japan	16-Oct-98		Applications	
				-			Low Complexity Maximum	kimum
							Likelihood Detection of	jo .
							Concatenated Space	
731.JP.D1	2003-298814		AT&T Wirelace	rocal		:	Codes for Wireless	
			200	dapail	0-A00-41		Applications	
							Low Complexity Maximum	
							Concatenated Space	 5 a
		٠					Codes for Wireless	
731.MX	980966	216468	AT&T Wireless	Mexico	16-Oct-98	19-Sep-03	Applications	•
							Low Complexity Maximum	dmum
							Likelihood Detection of	5
						•	Concatenated Space	
731.MX.D1	PA/a/2003/003469		AT&T Wireless	Mexico	21-Apr-03		Codes for Wireless Applications	
							Low Complexity Maximum	dmum
731.US	09/167422	6501803	AT&T Wireless	United States	06-Oct-98	31-Dec-02	Likelihood Detection of Concatenated Space	<u> </u>

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Docket	Application	Patent		Country	Application Date	Oate .	Title
Number	Number	Number	Owner	Name			Codes for Wireless
							Applications
							Low Complexity mean
							Concatenated Space
							Codes for Wireless
					3	٠	Applications
	1		AT&T Wireless	United States	03-Dec-01		1 ow Complexity Maximum
731.US.D1	1167225		5				1 ikelihood Detection of
							Concatenated Space
						-	Codes for Wireless
					20 00		Applications
•			AT&T Wireless	United States	30-Dec-05		Method for Combining
731.US.D1C1	1739925						Communication Beams in
							a Wireless Communication
		-		Sofoto Fedical	20.Anr.99	23-Apr-02	System
222116	09/303266	6377783	AT&T Wireless	United States	25 197-20		Method for Combining
136.03							Communication beams in
		-					a Wireless Communication
				Chatter Chatter	16-Jan-02		System
733116 04	10/046243		AT&T Wireless	United States		·	Method for Location-
132.03.01				United States	04-Jun-99		Based Asset Management
733 115	-544696		AT&I WIFBIESS	2000			Method for Location-
2000			A TOT Mission	United States	14-Sep-04		Based Asset Management
733.US.C1	mailed		AIGH WHERESS				Method and Apparatus in
							Vibration and Temperature
			A TO T Miroloce	United States	13-May-99	10-Dec-02	Isolation
734.US	09/311820	6491528	AIGI WIIGIGSS				Maximum Nauo
			AT&T Wireless	United States	17-Sep-98	01-Oct-02	Maximim Ratio
735.US	09/156066	6459740	5				Transmission
			AT&T Wireless	United States	19-Jun-02		Method for Error
735.US.C1	10/1//461						Compensation in an OFDM
					27_Mav_99	27-Aug-02	System With Diversity
01.002	no/221457	6442222	AT&T Wireless	United States	20 Tale 17		Method for Error
130.03	2000						Compensation in an Orbiving
			atot Mississe	1 Inited States	24~Jun-02		System wild Diversity
736.US.C1	10/176643		AIGI WIIGIGSS			_	Method for Elifor
		· .	·				Compensation in an Or City
			AT&T Wireless	United States	21-May-04		System Will Consider
736.US.C1(1)	-642186		אומו האוט	I Inited States	24-Mar-00		
737.115	09/535365		AT&T Wireless	Olinea Cana			Method for Improving
		<u> </u>		Arrontina	23-Mav-00		Efficiency in a Time
738.AR	102506		AT&T Wireless	Algeriana			
				•			*

			, .									•	:
<u>a</u>	Sharing Network	Method for Improving Efficiency in a Time Sharing Nothing	Method for Improving Efficiency in a Time	Method for Improving Efficiency in a Time	Method for Improving Efficiency in a Time	Method for Improving Efficiency in a Time Sharing Network	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM	Automatic Gain Control Methods and Apparatus Sultable for Use in OFDM Receivers	Automatic Gain Control Automatic Gain Control Suitable for Use in OFDM Receivers	Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals	Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals	Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals	Detection of Cross- Connection Between a
Grant			19-Dec-03		·		26-Mar-02	03-lun-03					
Application Date		18-May-00	18-Mav-00	16-May-00	24-May-00	11-Apr-00	09-nn-60	17-Jan-02	14-Apr-03	25-Mar-03	24-Aug-01	25-Sep-00	05-Feb-01
Country Name		Brazil	Canada	European Patent	Mexico	United States	United States	United States	United States	European Patent Convention	Patent Cooperation Treaty	United States	Argentina
Owner		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number			2308963				6363127	6574292					
Application Number		75120	2308963	110197.1	5014	09/546794	-248485	10/051714	10/414576	1964443.4	PCT/US01/26621	09/670286	10100520
Docket Number		738.BR	738.CA	738.EPC	738.MX	738.US	744.US	744.US.C1	744.US.C1(1)	745.EPC	745.PCT	745.US	747.AR

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Docket	Application	Patent	Current	Name	Date	Date	Mireless I oob Network
Number	Number	Numper	Owigi				and Another Loop Network
							at a Subscriber's Premises
				+			Detection of Cross-
							Mireless Loop Network
						-	and Another Loop Network
							at a Subscriber's Premises
		-	ATPT Wireless	United States	11-Feb-00		Annaratus and Method for
77.115	09/502655		AIGI WIIGIGSS				Synchronization in a
20.7							Mutiple-Carrier
							Communication System by
							Observing a Plurality of
							Synchronization Indicators
			and after the party	Argentina	21-Jun-00		Apparatus and Method for
748 AR1	103102		Aldi Wireless				Synchronization in a
1000							Multiple-Carrier
							Communication System by
							Observing Energy Within a
					•		Guard Band
			ATOTIMInalace	Argentina	21-Jun-00		System and Method for
748.AR2	103106		AIGH WILCOM				Synchronization in a
							Multiple Carrier
							Communication System by
							Observing a Phase-
							Frequency Relationship of
					21. 1110-00		a Plurality of Pilot Signals
			AT&T Wireless	Argentina	201100-17		Apparatus and Method for
748.AR3	103105					·	Synchronization in a
							Multiple-Carrier
							Observing a Plurality of
							Synchronization Indicators
			AT&T Wireless	United States	14-Jun-00		Apparatus and Method for
748.US1	544822		Alai viicios				Synchronization in a
							Multiple-Carrier
							Communication System by
•							Observing Energy Within a
	-						Guard
				Chatter Chatter	14-Jun-00	14-May-02	Band
740 1192	630289	6389087	AT&T Wireless	Onlied States			Apparatus and Meuron in a
140.002							Multiple-Carrier
							Communication System by
			AT&T Wireless	United States	14-3011-00	-	
748.US3	1 666082						

Number Number	Application Number	Patent Nimber	Š	Country	Application	Grant	
			Owner	Name	Date	Date	Title
							Observing a Phase-
							requency Relationship of a Plurality of Pilot Stanats
							Methods and Apparatus for
							Use in Obtaining
749.AR	103104						in an October
			AT&T Wireless	Argentina	21-Jun-00		Communication System
		· .					Methods and Apparatus for
	•			Patent			Use in Obtaining
749.PCT	PCT//ISON/Appay			Cooperation			Frequency Synchronization
	1 0110300140232		AT&T Wireless	Treaty	15-Jun-00		Gomminication Suction
							Methods and Apparatus for
							Use in Obtaining
240116							Frequency Synchronization
143.03	1155142	6768714	AT&T Wireless	United States	44 1:20		in an OFDM
				Solution Common	14-2011-00	27-Jul-04	Communication System
							Methods and Apparatus for
	•						Use in Obtaining
750.US	1156603	670000		-			Frequency Synchronization
		00000	AT&T Wireless	United States	14~Jun-00	02-Mar-04	Communication States
							Methods and Apparatus for
				Datore			Use in Obtaining Frame
			•	Congration			Synchronization in an
751.PCT	PCT/US01/15891	•	ATRT Mireland	Cooperation			OFDM Communication
			A LOUI AVII EI ESS	reary	16-May-01		System
							Methods and Apparatus for
				•	-	•	Use in Obtaining Frame
751115	460060						Synchronization in an
	435030		AT&T Wireless	United States	13-Jun-00		Or DM Communication
							System
·.				,			Method and Apparatus for
						:	Over a Commissional
752.AR1	103100				-		Over a Communication
			Al&! Wireless	Argentina	21-Jun-00		Network
		,		Patent			Reverse Turneling
752.PCT2	PCT/US00/16432			Cooperation			Methods and Apparatus for
			A I & T Wireless	Treaty	14-Jun-00		Networks
752.US1.D1	10/120710		AT&T Wireless	I Inited States	44 6-4 00		Methods and Apparatus for
	. • •			CIIIIO CIGIGO	11-Apr-02		Use in Reducing Traffic

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Dockot	Application	Patent		Country	Application	Grant	Title	
DOCKEL	Mimber	Number	Owner	Name	Date		Over a Communication	
Number				-			Link Used by a Computer	
-							Network	
							Methods and Apparation	
							Use III Collingian Color	
							Voice and inglices	
							Comminication System	
			STOT MINISTER	Argentina	21-Jun-00		The state of Appropriate for	
754 AR	103103		AI&I WIEEESS	N N N N N N N N N N N N N N N N N N N			Method and Apparatus to	
, , , ,							Use in Communicating	
				Patent			Voice and right speed	
				Cooperation			Communication System	
			AT&T Wireless	Treaty	15-Jun-00		Methods and Apparatus for	
754.PCT	PCT/US00/16700						Use in Communicating	
		-					Voice and High Speed	
							Data in a Wireless	
•				Octobal Civilian	44_ lin_00		Communication System	
91.79	1000105		AT&T Wireless	United States	22.1100-11		System and Method for	
734.03	201700						Data Scrambling to	
							Reduce the Crest Factor in	_
				Argontino	20-Jun-00		an OFDM Waveform	
755 AR	103064		AT&T Wireless	Augumio Company			System and Method for	
1							Data Scrampling to	
		-		European Patent			Reduce the Crest ractor in	
				Convention	00-Jun-00		an Ordin Waveloin	_
755 FPC	938236.7		AT&I WIREIESS				System and Method for	
2				Patent			Data Scramoling to	
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			andonia Tota	Treaty	00-Jun-60		an Orlow Waverding	_
755.PCT	PCT/US00/15836		A I & I WITHESS				System and Metrico ic.	_
				_			Reduce the Crest Factor in	_
						21-A10-04	an OFDM Waveform	_
	7.000	6785258	AT&T Wireless	United States	00-Jun-80		System and Method for	_
755.US	-02/3/1	-		,			Data Scrambling to	_
•							Reduce the Crest Factor in	
				Chatter Chatter	30-A110-04		an OFDM Waveform	Т
755.US1	malled		AT&T Wireless	Office States			Design for Scalable	
							Systems	_
			AT&T Wireless	Argentina	15-Jun-00	+	System and Method for	Γ
758.AR	102967						Checking Service	
ALT OBY	89112312	163403	AT&T Wireless	Taiwan	22-Jun-00	06-Feb-03	Availability	7
100.1					-			

Docket	Application	Patent		Country	Application	Grant	
Number	Number	Number	Owner	Name	Date	Date	Title
						•	System and Method for Checking Service
760.US	09/572144	6445912	AT&T Wireless	United States	17-May-00	03-Sep-02	Availability
							Intelligent Presentation Network Management
761.US	09/511168	•	AT&T Wireless	United States	24-Feb-00		Systems
							Session Subscription System and Method for
765.BR	0005942-0		AT&T Wireless	Brazil	20-Dec-00		Same
							Session Subscription
765.CA	2326572		AT&T Wireless	Canada	16-Nov-00		Same
				i.			Session Subscription
785 EPC	311402 3		AT&T Wireless	Convention	20-Dec-00		System and Method for Same
							Session Subscription
765 MV	12806		AT&T Wireless	Maxico	20-Dec-00		System and Method for Same
VMI.CO.	06071		COLONIA INCIDES	Alexico.	20.00		Session Subscription
		-	_				System and Method for
765.US	09/474839		AT&T Wireless	United States	30-Dec-99		Same
							Subscription-Based Billing
-							Methods and Systems for Shared Network Modern
768 AR	106901	·	AT&T Wireless	Argentina	22-Dec-00		Pools
							Subscription Based Billing
							Methods and Systems for
768 80	0006220.0	·	AT&T Wireless	Brazil	21-Dec-00		Shared Network Modern Pools
)	20000						Subscription Based Billing
				European Patent			Methods and Systems for Shared Network Modem
768.EPC	309465.3		AT&T Wireless	Convention	27-Oct-00	4	Pools
							Subscription-Based Billing
	-						Shared Network Modern
768 MX	12898		AT&T Wireless	Mexico	20-Dec-00		Pools
							Subscription Based Billing Methods and Systems for
	•				· · · · · · · · · · · · · · · · · · ·		Shared Network Modern
768.US	09/665780		AT&T Wireless	United States	20-Sep-00		Pools
					; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		Synchronization of Encryption in a Wireless
769.US	10/028573		AT&T Wireless	United States	19-Dec-01		Communication System
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Number Number Number Owner Native December	Docket	Application	Patent		Country	Application	Grant	Title
C1 10767246 G687983 AT&T Wireless United States 24-Oct-00 24-Feb-04 Entrope	Nimber	Number	Number	Owner	Name	280		Data Link Layer Tunneling
Control of the cont					<u> </u>			Technique for High Speed
C1 107767246 AT&T Wireless United States 24-Oct-00 24-Feb-04 EF							. '	Data in a Noisy Wireless
1000580			2001000	AT&T Wireless	United States	24-Oct-00	24-Feb-04	Environment
10/16/1246 AT&I Wireless United States 28-Jan-04 E E O 09/145216 676589 AT&I Wireless United States 21-Dec-00 20-Jul-04 D O 09/145219 6765870 AT&I Wireless United States 21-Dec-00 20-Jul-04 D O 09/145219 6765870 AT&I Wireless United States 18-Jul-00 D O D O D O D O D D D D D D D D D D D	770.US	09/694943	6697963	2000				Data Link Layer Turineming
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311028.5 AT&T Wireless European Patent 1-Dec-00 N 228522 AT&T Wireless United States 18-Jul-00 N 228522 AT&T Wireless United States 19-Jul-00 N 10100380 AT&T Wireless AT@HITM OB-Feb-01 O7-Feb-01 101003815 AT&T Wireless Trealy Trealy O7-Feb-01 10103356 AT&T Wireless United States 26-Dec-01 10103356 AT&T Wireless United States 26-Dec-01 10103356 AT&T Wireless	772.US2	09/745219	6765870	A1&1 WIRELESS	Ollico Oraco			Collision-Free Multiple
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311028.5 AT&T Wireless United States 18-Jul-00 N 228522 AT&T Wireless United States 28-Nov-00 N C1				ATPT Wireless	Convention	11-Dec-00		Modulation Links
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C1 mailed AT&T Wireless United States 19-Aug-04 C1 mailed AT&T Wireless United States 19-Aug-04 T1 AT&T Wireless AT&T Wireless AT&T Wireless AT&T Wireless T1 PCT/US01/03854 AT&T Wireless Treaty 07-Feb-01 T1 AT&T Wireless United States 28-Dec-01 AT&T Wireless AT&T Wireless AT&T Wireless			-					Commission System
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10/036315				ATOT MG-COCO	Arnentina	08-Feb-01		Factor
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10/036315 AT&T Wireless United States 26-Dec-01 10103358 AT&T Wireless Argentina 13-Jul-01			• .	•	:			Providing Service Provider
10/036315 AT&T Wireless United States 26-Dec-01 10103358 AT&T Wireless Argentina 13-Jul-01		•						Choice Over a High-Speed
10103358 AT&T Wireless Argentina 13-Jul-01	104 116	10/036315		AT&T Wireless	United States	28-Dec-01	-	Data Connection
10103358	101.03	2120200		AT9T Wireles	Amentina	13-Jul-01		Adaptive Dual-Polarization
	782.AR	10103358		Ald Wireless	Simple Control			

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Title	Communication of Orthogonal Frequency Division Multiplexed Signal	Multicarrier Transmission Using Polarized Antennae	Adaptive Dual-Polarization Communication of Orthogonal Frequency Division Multiplexed	Signals Transmit Power Control for an OFDM-Based Wireless Communication System	Method for Shared Network Modem Dialup Intranet Access Over a Wireless Network Using	Method of Determining RF Coverage Area in a Point- to-Multpoint Transmission System	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Estimating Changes in Product Life Resulting From HALT Using Exponential
		Multi	Adag Control	Signals Transmil an OFD!	Method Network Intranet Wireless	Method Coverage to-Multip System	Meth Tran Add	Meth Tran Addr With	Meth Tran Addr With	Addr With	Meth Char Resu Usin
Grant Date											
Application Date		13-Jun-01		14-Jul-00 28-Feb-01	13. Jun 91	05-Jun-01	13-Jun-01	13-Jun-01	18-Oct-01	28-Nov-00	06-Jul-01
Country Name		Patent Cooperation Treaty		United States	United States	United States	Argentina	Malavsia	Taiwan	United States	United States
Owner		AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number	•									• .	
Application Number		PCT/US01/18993		2665785	09/879350	09/874570	10102824	P120012764	90113964	722695	09/900779
Docket Number		782.PCT	707	784.US	786.US	787.US	789.AR	789.MY	WT.887	789.US	792.US

Application Patent					<u> </u>			
Number N	Docket	Application	Patent		Country	Application	Grant Date	Title
AT&T Wireless United States 11-Jun-01 AA	Number	Number	Number	Owner	Мате	250		Acceleration Model
Control Cont								Method for Estimating
109590777								Changes in Product Line Resulting From HALT
O9/97777 AT&T Wireless United States O5-Jul-01 To	_							Using Quadratic
10/627192 AT&T Wireless United States 11-Jun-01 For Process 11-Jun-01 11-Jun-01 For Process 11-Jun-01					604010 T = 11	08. ht.01		Acceleration Model
09/87855	3116	727000/60		AT&T Wireless	United States			Turbo Channel Estimation
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10627192 AT&T Wireless United States 24-Jul-03 Proceed	26.03							Assigning Priority to
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10/627192						20 11.1		Protocol
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60/399042	798.05	10,027,132						Assigning Priority to
Mailed AT&I Wireless United States 25-Jul-02 Properation 19-May-04 Mailed AT&I Wireless Convention 19-May-04 Older AT&I Wireless United States 22-Oct-01 Society AT&I Wireless United States D5-Apr-02 Oct-01 AT&I Wireless United States D5-Apr-02 Oct-01 AT&I Wireless United States D5-Apr-02 Oct-01 Oc								Free Multiple Access
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Mailed AT&T Wireless Convention 19-May-04 Mailed AT&T Wireless Convention Table Table Table Table Table Treaty Table		60/200042		AT&T Wireless	United States	70-100-07		Method for Synchronization
mailed	7987.03	00/033042			European Patent	70 1701: 07		of Received Signals
4628 AT&T Wireless United States 22-Oct-01 No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	1	70114		AT&T Wireless	Convention	13-INIAy-04		Time Synchronization
4628 AT&T Wireless United States 22-Oct-01 S T PCT/US03/08721 AT&T Wireless Treaty 21-Mar-03 N 10/116160 AT&T Wireless United States 05-Apr-02 N 374098 AT&T Wireless United States 24-Apr-02 0 Cooperation Cooperation AT&T Wireless Treaty 30-Apr-02	802.EPC	шашео						Method for Method OFDM
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-374098 AT&T Wireless United States 24-Apr-02 Patent Cooperation 30-Apr-02 AT&T Wireless Treaty 30-Apr-02	816.US	10/116160						Channel Assignment With
-374098 AT&T Wireless United States 24-Apr-02 Patent Cooperation 30-Apr-02 AT&T Wireless Treaty 30-Apr-02								Adaptive Modulation in
-374098 AT&T Wireless United States 24-741-32. Patent Cooperation 30-Apr-02 AT&T Wireless Treaty	-					24 Apr. 02		Wireless Communications
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Patent Cooperation Cooperation AT&T Wireless Treaty 30-Apr-02	817.US	-374090						Interface Apparatus for
Cooperation Cooperation 30-Apr-02 AT&T Wireless Treaty					Dotort			Frequency-Division
PCT/US02/13758 AT&T Wireless Treaty 30-Apr-02		-			Constation			Multiplexed
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Docket Number	Application Number	Patent Number	Owner	Country	Application	Grant	
				Name	Date	Date	Title
							Multi-Service Network
-	•				-		France Apparatus for
819.US.D1	09/879358	6887274					Multiplexed
		10000	A LOCAL VVIERIESS	United States	12-Jun-01	03-Feb-04	Communications Systems
			•				Prepaid Calling Time
							Processing: A Method and
							Apparatus for Processing
962116							Pre-Paid Calling Time in a
035.03	09/578031	6707894	AT&T Wireless	United States	24-May-00	16-Mar-04	Telephone Communication
							Prepaid Calling Time
							Processing: A Method and
							Apparatus for Processing
050.10							Pre-Paid Calling Time in a
032.US.C1	10/751672		AT&T Wireless	United States	05-Jan-04		Telephone Communication System
853.US	10/615892		ATRT Wireless	I Inited States			Network Protocol
			200000000000000000000000000000000000000	Ornica States	0/-7m-03	·	Converter
854.US	1964915						Integration of Wireless and External Computing
			Alai Wireless	United States	15-Sep-03		Devices
				•			HTTP-Based Application
856.US	10/773555		AT&T Wireless	United States	05-Feb-04		Fingerprinting by HTTP
857.115	1071175						Terminal Device ID
	1311153		AT&T Wireless	United States	15-Sep-03		Address Authentication
862.US	10/685616		AT&T Wireless	United States	14-Oct-03		Location Announcement
	-						Method. System and
							Apparatus for Providing
863P.US	60/520073		AT&T Wireless	United States	15-Nov-03		Wireless Identification to
							Startuard Leiephone
٠.							Providing Location Information for Wireless
874.US	10/685614		AT&T Wireless	I Inited States	0010		Devices Using Name
			ALGE VILGIGOS	Office States	14-001-03		Service
870D I IC					•		Distributed Handling of
20: 16:16	20854000		AT&T Wireless	United States	11-Feb-04		Wireless Device
		-					Method and Apparatus for
880.US	10/776507		AT&T Wireless	United States	12-Feb-04		Providing Quality of
							Service Hillorgii Mulubie

Docket	Application	Patent		Country	Application	Grant Date	Title
Number	Number	Number	Owner	Мате			Carrier IP Networks
							System and Method for
							Telecommunications
			ATET Wireless	United States	25-Mar-04		Network Terminal Based Server for
883P.US	60/557153		Algi Wilding		70		Location Tracking
886.US	mailed		AT&T Wireless	United States	74-0ab-04		Sharing Content on Mobile
			ATRT Wireless	United States	09-Apr-04		Devices System and Method for
887.US	10/821608		500				Voice Recognition Using
			AT&T Mireless	United States	20-May-04		User Location Information
888.US	mailed		Algi Wildias				Spam Control for Strate
511088	10/822187		AT&T Wireless	United States	09-Apr-04		Identifying A Device to a
20.500			AT&T Wireless	United States	22-Jan-04		Network
894.US	10/763862		SCORPINA IN IN				System for recovering
							a Wireless Network, Such
							as Locating Sets of
			-	1 Inited States	15-Apr-04		Desired Locations
895P.US	60/562785		A1&1 Wireless	DINO POLICE			Personal Base Station with
			AT&T Mireless	United States	14-Nov-03		Wireless Video Capability
896P.US	60/519947		Alai Wiididəs				Managing Uinerences III
							Sharing Content on Mobile
				1 Inited States	09-Apr-04		Devices
897.US	10/821325		AI&I Wireless	Politica			Call Handling Scheme to
			AT&T Wireless	United States	14~Jun-04		Call Handling Scheme to
906.03	10001331			I Inited States	27-Jan-04		Reduce Roaming Charges
906P.US	60/539780		AT&T Wireless				Method and System for
							of Movable Wireless
				1 Inited Chafee	13-Sep-04		Networks
908.US	mailed		AT&T Wireless	Orilleo States			Method and System for
							of Movable Wireless
				1 Inited States	05-Mar-04		Networks
908P.US	60/549920		AT&I WIFEIESS				Customized Signature
04615	10/881672		AT&T Wireless	United States	30-Jun-04		ORDERSON!
915.US	10/00/10/2						

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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
921P.US	mailed		AT&T Wireless	United States	19-Aug-04		Testing for Mobile Device Locator Systems, Such as for E911 Phase II
922.US	malled		AT&T Wireless	United States	13-Aug-04		Wireless Device Service Activation from a Wireless Device
925.US	malled		AT&T Wireless	United States	14-Sep-04		Selection of Bearer Mode According to Message Characteristics
926.US	mailed		AT&T Wireless	United States	14-Sep-04		Maintaining Instant Message Session Status in Dynamic Operating Environments
927P.US	60/588307		AT&T Wireless	United States	15-Jul-04		Using Emoticons, Such as for Wireless Devices
928P.US	60/588110		AT&T Wireless	United States	15-Jul-04		Help Buddy for Instant Messaging on a Wireless Device
929.US	mailed		AT&T Wireless	United States	03-Sep-04	·	System and Method for Data Organization and Display in an instant-Messacing Interface
930.US	mailed		AT&T Wireless	United States	14-Sep-04		Dedicated Wireless Device Business Method
930P.US	60/590185		AT&T Wireless	United States	21-Jul-04		Dedicated Wireless Device Business Model
931.US	mailed		AT&T Wireless	United States	10-Sep-04		Always On Mobile IM / Messaging Centric Wireless Device
931P.US	60/590229		AT&T Wireless	United States	21-Jul-04		Always On Mobile IM / Messaging Centric Wireless Device
936.US	mailed		AT&T Wireless/IXI Mobile	United States	20-Sep-04		Mobile Communications Device
237.CA	2231255		AT&T Wireless/Atmel Corp.	Canada	30-Aug-96		Wireless Corhmunication System Having Mobile Stations Establish a Communication Link Through the Base Station

Dockot				•		֡	
מטרטם ב	Application	Patent	Owner	Country Name	Application	Date	Title
Number	Number	Name of the last o	AT&T Wireless/Atmel		90 000		Wireless Communication System
37.CA.D1	2321957		Согр.	Canada	De-Bay-o		noite of the state
	06046386.8		AT&T Wireless/Atmel Corp.	European Patent	30-Aug-96		System System
37.57			AT&T Wireless/Atmel		30-Aug-96		Wireless Communication System
237.JP	354166		Corp.	Japan			Wireless Communication
	001077	202428	Wireless/Atmel Corp.	Mexico	30-Aug-96	15-Jun-01	System
237.MX	170106		AT&T Wireless/Atmel	Chited States	08-Sep-95	08-Jun-99	Wireless Communication System
237.US	-44345	5911120	Corp.	OINIGO OGUGO			
		6735432	Wireless/Atmei Corp.	United States	04-Nov-98	11-May-04	Cordless Cellular System Mobile Telecommunication
237.05.01	600001/60						Device and Method Used for Changing Wireless
			AT&T				Base Stations of Different
	2224270	2231370	Wireless/Aunei Corp.	Canada	30-Aug-96	30-Jul-02	Mobile Telecommunication
238.CA	0/8/8/2						Device and Method Used for Changing Wireless Communication Between
		·	AT&T Wireless/Atmel		30-Aug-96	18-Jan-02	Base Stations of Different Kinds (PBS #3)
238.DE	96940621.4	69618604.7	Corp.	Germany			Mobile Telecommunication Device and Method Used
							for Changing Wireless Communication Between
			AT&T	European Patent			Base Stations of Different
238 EDC	96940621,4	848888	Corp.	Convention	30-Aug-96	10-Jan-02	Mobile Telecommunication
230:13							for Changing Wireless
			ATRI	:			Communication Between Base Stations of Different
			Wireless/Atmel		30-Aug-96	16-Jan-02	Kinds (PBS #3)
238 FR	96940621.4	848888	Corp.	rialica			

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant	<u>_</u>
238.GB	96940621,4	84888	AT&T Wireless/Atmel	ood total	90		Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different
238.JP	9-511293		AT&T Wireless/Atmel Corp.	Japan	30-Aug-96	10-Jan-02	A Mobile Telecommunicating Device
238.MX	981819	202427	AT&T Wireless/Atmel Corp.	Mexico	30-Aug-96	the Contract of the Contract o	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between
238.US	-58590	5732360	AT&T Wireless/Atmel Corp.	United States	08-Sep-95	24-Mar.98	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Kinds (DDS 42)
546.EPC	3739732		AT&T Wireless/Nortel	European Patent Convention	11-Feb-03		Centralized Communications Network Charging Methods and Annaratus
546.PCT	PCT/US03/04036		AT&T Wireless/Nortel	Patent Cooperation Treaty	11-Feb-03		Centralizations Network Communications Network Charging Methods and Apparatus
546.US	10/365116	·	AT&T Wireless/Nortel	United States	11-Feb-03		Centralized Communications Network Charging Method and Apparatus
546P1.US	60/356579		AT&T Wireless/Nortel	United States	11-Feb-02		Telecommunications Network Centralized Charging System Topology
546P2.US	60/356578		AT&T Wireless/Nortel	United States	11-Feb-02		Payment Methods and Apparatus
456.US	09/406278		AT&T/AT&T Wireless	United States	24-Sep-99		Method for Implementing Service Logic Via Database Table Transversals

					Annlication	Grant	
•	acitosiles A	Patent		Country	Application	Date	Title
Docket	Number	Number	Owner	Name	Date		Calling Party Paid Wireless Telecommunication
			AT&T/AT&T		12. Jan-99	30-Oct-01	System
9	00/228646	6311053	Wireless	United States			Method and Apparatus to
468.03							Automatic Confirmation of
			AT&T/AT&T				Short Message Service Delivery
			Wireless	China P.R.	10-von-90		Method and Apparatus for
509.CN	1818413.0						Network-Assisted Automatic Confirmation of
				•			Short Message Service
			AT&T/AT&T	European Patent	06-Nov-01		Delivery
702	1990011.7		Wireless	Convention	2 221-00	·	Method and Apparatus for
Sus-Er C				-			Automatic Confirmation of
			!	Patent			Short Message Service
			AT&T/AT&T	Treaty	06-Nov-01		Method and Apparatus for
509.PCT	PCT/US01/47231		Wireless				Network-Assisted
							Automatic Confirmation of
			ATOT/ATET		:		Short Message Service
			Wireless	United States	06-Nov-01	- - -	le Temptal
509.US2	10/011554		10741707.	European Patent			Wireless Indian Com
			Al&I/Alai	Convention	12-Jan-01	+	Methods and Apparatus for
524.EPC	1100127.8		Wileigo				Wireless Auto-
			AT&T/AT&T	Listed States	11-Dec-00		Conferencing
011.10	09/734157		Wireless	Ollifed Otalog			Methods and Apparatus
25.75			AT&T/AT&T				Conferending
9	00,045968		Wireless	United States	04-3ep-01		TDMA Communication
547.US.C1	00000		ATRI/ATRI	European Patent			Power Control
-	7 3000 7		Wireless	Convention	0/-70n-01		TDMA Communication
558.EPC	1112903./		TATATATAT			22, tim-04	System Having Emiance Power Control
	911000	6754506	Wireless	United States	16-Feb-01	75-0011-01	Method and System for
558.US	014770-						Users in a Multi-Networked
			AT&T/AT&T Wireless	United States	07-May-01		Environment
567.US	-615919		AT&T/AT&T	European Patent	it 06_hip_01		Sharing Wireless Content
473 EPC	1112956.6		Wireless	Convention			

Application	Patent		Country	Application	Grant	
Number		Owner	Name	Date	Date	Title
AT&T/AT&T Wireless	₹ 🔅	T&T s	United States	09-Mar-01		Method and Apparatus for Sharing Wireless Content
AT&T/AT&T Wireless	ايق≱	T&T	Canada	15-Nov-02		Progressive Reuse Partitioning for Improved Interference Rejection in Wireless Packet Networks
AT&T/AT&T Wireless	2 8	AT&T IS	United States	15-Nov-01		Progressive Reuse Partitioning for Improved Interference Rejection in Wireless Packet Networks
AT&T/AT&T 6404753 Wireless	- 30	AT&T SS	United States	04-Sep-98	11-Jun-02	Method and Apparatus for Controlling Access to a Communication Channel
AT&T/AT&T PCT/US01/28658 Wireless	~ **	AT&T	Patent Cooperation Treaty	14-Sep-01		Apparatus, System and Method for Validating Integrity of Transmitted Data
AT&T/AT&T Wireless	2 21	AT&T SS	United States	18-Sep-00		Apparatus, System and Method for Validating Integrity of Transmitted Data
AT&T/AT&T Wireless	€ છે	T&T	United States	15-Feb-01		Apparatus, System and Method for Detecting a Loss of Key Stream Synchronization in a Communication System
AT&T/AT&T Wireless	₹ છ	T&T S	European Patent Convention	15-May-02		Apparatus, System and Method for Validating Integrity of Transmitted Data
AT&T/AT&T PCT/US02/15451 Wireless	اق ک	T&T	Patent Cooperation Treaty	15-May-02	·	Apparatus, System and Method for Validating Integrity of Transmitted Data
AT&T/AT&T Wireless	≰ જી	T&T	United States	12-Jun-01		Apparatus, System and Method for Validating integrity of Transmitted Data
Claircom D363068 Communications	<u> </u>					Alrine Telephone Handset With Digital Passenger Control Functions and

	•						
•				Country	Application	Grant	
Ap	Application	Patent	300	Name	Date	Date	Title
	Number	Number	Owner				Airline Telephone Handset With Digital Passenger
		·	Claircom		10 ye	23-Jan-96	Control Functions and Video Game Controls
29/021800	1800	D366482	Communications	United States	בפ-ולע-כז		Airline Telephone Handset with Digital Passenger
			Claircom	United States	19-Jun-95	18-Jun-96	Control Functions and Video Game Controls
29/04	29/040119	03/0910	Claircom	i i	90 ::1	29_hil-97	Telephone Handset and Cradle
08/4	08/482288	5652792	Communications	United States	07-2011-90		-
1256/95	705	18022	Claircom Communications	Austria	08-Sep-95	20-Oct-95	Telephone Handset
9	1005,1998	77925	Claircom Communications	Canada	07-Sep-95	25-Jan-96	Telephone Handset
3	MOSO7231 A	M9507231.4	Claircom Communications	Germany	07-Sep-95	21-Feb-96	Telephone Handset
	054887	954887	Claircom Communications	France	11-Sep-95	09-Feb-96	Telephone Handset
8 8	2050278	2050278	Claircom Communications	Great Britain	08-Sep-95	25-Jan-96	Telephone Handset
8	2050278	9900591	Claircom Communications	Hong Kong	10-Mar-95	23~Jul-99	Telephone Handset
4	16827/1995	192764	Claircom	South Korea	07-Sep-95	03-Feb-97	Telephone Handset
8	951701	59555	Claircom Communications	Sweden	08-Sep-95	05-Jun-96	Telephone Handset
~~~	2050278	2050278	Claircom Communications	Singapore	08-Sep-95	25-Jan-96	Telephone Handset
	29/035969	D371553	Claircom Communications	United States	10-Mar-95	96-Inf-60	Telephone Handset
1 5	96907201.6		Claircom Communications	European Patent Convention	08-Mar-96		Handset in an Armrest Tube Mounted Telephone
-	08106840 3		Claircom Communications	Hong Kong	26-Jun-98		Handset in an Armrest
5	2548877	5627891	Claircom	United States	10-Mar-95	06-May-97	Handset in an Armrest
4							

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title	<u></u>
191.DE	29580194.8	29580194.8	Claircom Communications	Germany	25-Apr-95	20-Feb-97	Airplane Telephone	hone
191.JP	527740/95·		Claircom Communications	Japan	25-Apr-95		Airplane Telephone	hone
191.KR	10-1996-705967	10-348946	Claircom Communications	South Korea	25-Apr-95	02-Aug-02	Airplane Telephone	hone
191.MX	965011		Claircom Communications	Mexico	25-Apr-95		Airplane Telephone	hone
191.PCT	PCT/US95/04821	95/04821	Claircom Communications	Patent Cooperation Treaty	25-Apr-95	02-Nov-95	Airplane Telephone	hone
193.US	08/040180	5463678	Claircom Communications	United States	26-Mar-93	31-Oct-95	Credit Card Reader	aader
195.US	08/040179	5410597	Claircom Communications	United States	26-Mar-93	25-Apr-95	Wired Seat Back Aircraft Telephone Set	ck Aircraft
196.US	08/040178	5394467	Claircom Communications	United States	26-Mar-93	28-Feb-95	Multi-Purpose Telephone Strain Relief	Telephone
198.US	08/042426	5455964	Claircom Communications	United States	26-Mar-93	03-Oct-95	Stabilization of Frequency and Power in an Alrborne Communication System	f Frequency an Airborne in System
199.US	29/007592	D361568	Claircom Communications	United States	26-Mar-93	22-Aug-95	Airplane Telephone Set	hone Set
251.US.C1	08/451719	6393281	Claircom Communications	United States	26-May-95	21-May-02	Seamless Hand-Off for Air- To-Ground Systems	id-Off for Air- stems
259.US.C6C2C2	09/451579		Claircom Communications	United States	30-Nov-99		Multi-Nodal Digital Telephone Distribution System	gital
259.US.C6C4C1	Mailed		Claircom Communications	United States	14-Mar-01		Multi-Nodal Digital Telephone Distribution System	gital itribution
375.US.C1	09/520806	6449287	Claircom Communications	United States	08-Mar-00	10-Sep-02	Short Messaging Method and System for Airborne Passengers	ing Method r Airborne
375.US.C1(1)	10/211929		. Claircom Communications	United States	02-Aug-02		Short Messaging Method and System for Airborne Passengers	ing Method r Airborne
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4	Application	Patent		Country	Application Date	Orani Date	Title
ł	Number	Number	Owner				Wireless Communications
5	MO400857 3	M9409857.3	McCaw Cellular Communications	Germany	14-Dec-94	10-Apr-95	Terminal Communications
	2.10804	17729	McCaw Cellular Communications	Finland	21-Dec-94	29-Sep-95	Virginis Communications Terminal
8) &	862/94	17730	McCaw Cellular Communications	Finland	21-Dec-94	29-Sep-95	Wireless Communications Terminal
٥ (	700970	946994	McCaw Cellular Communications	France	22-Dec-94	31-Mar-95	Wireless Communications Terminal
o  ►	7004000054	60309	McCaw Celtular Communications	Italy	22-Dec-94	20-Apr-00	Wireless Communications Terminal
۱ ۱	20446/1004	953799	McCaw Cellular Communications	Japan	22-Dec-94	26-Feb-96	Terminal Communications
1	942575	57901	McCaw Cellular Communications	Sweden	22-Dec-94	05-Jul-95	Terminal
<u> </u>	942576	57902	McCaw Cellular Communications	Sweden	22-Dec-94	05-Jul-95	Wireless Communications Terminal
		6708228	Teleflex Information Systems, Inc.	United States	04-Sep-01	16-Mar-04	Multithreaded Batch Processing System
	08/868942	6332167	Teleflex Information Systems, Inc.	United States	04-Jun-97	18-Dec-01	Processing System
	08/229526	5668993	Teleflex Information Systems, Inc.	United States	19-Apr-94	16-Sep-97	Multithreaded Batch Processing System Method and Apparatus for
	2184368		Teleflex Information Systems, Inc.	Canada	23-Feb-95		Events Method and Apparatus for
	08/698277	5724584	Teleflex Information Systems, Inc.	United States	19-Apr-94	03-Mar-98	Events No-Reset Option in a
1	2184360		Teleflex Information Systems, Inc.	Canada	23-Feb-95		Batching Billing System
	70017						

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title	
2001-TE003	09/938827	6658488	Teleflex Information Systems, Inc.	United States	27-Aug-01	02-Dec-03	No-Reset Option in a Batching Billing System	in a ystem
2001-TE003	09/340384	6282519	Teleflex Information Systems, Inc.	United States	28-Jun-99	28-Aug-01	No-Reset Option in a Batch Billing System	in a Batch
2001-TE003	08/377610	599916	Teleflex Information Systems, Inc.	United States	25-Jan-95	07-Dec-99	No-Reset Option in a Batching Billing System	in a ystem
2001-TE003.C1	10/622106		Teleflex Information Systems, Inc.	United States	17-Jul-03		No-Reset Option in a Batching Billing System	in a iystem

Form PTO-1595 (R.v. 09/04) Y 0 4 2006 U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office OMB No. 0651-00174exp. RESTRIBUTION FORM COVER SHEET PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies)/Execution Date(s): Name: Cingular Wireless II, Inc. AT&T Wireless Services, Inc. Internal Address: Suite 1700 Execution Date(s) 5/26/2005 Street Address: 5565 Glenridge Conn. Additional name(s) of conveying party(ies) attached? 3. Nature of conveyance: Merger City: Atlanta Assignment Change of Name Security Agreement State: Georgia Government Interest Assignment Zip: Country: USA Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? ☐ Yes ✓ No Other 4. Application or patent number(s): This document is being filed together with a new application. B. Patent No.(s) A. Patent Application No.(s) See Attached Sheets Additional numbers attached? ✓ Yes No 6. Total number of applications and patents 5. Name and address to whom correspondence involved: concerning document should be mailed: Name: Cingular Wireless, LLC 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1320.00 Authorized to be charged by credit card Internal Address: Attn: Linda Giles; #1725A ✓ Authorized to be charged to deposit account **Enclosed** Street Address: 5565 Glenridge Connector None required (government interest not affecting title) 8. Payment Information City: Atlanta a. Credit Card Last 4 Numbers Zip: 30066 State: Georgia **Expiration Date** Phone Number: (404) 236-6720 b. Deposit Account Number 50-2450 Fax Number: Authorized User Name Coulter C. Henry Email Address: linda.giles@cingular.com 9. Signature: 5/26/2005 Signature Date Total number of pages including cover Coulter C. Henry; Reg. No.: 51,121 sheet, attachments, and documents: Name of Person Signing

Patent Applications Subject to Assignment Cingular Wireless II, Inc. May 26, 2005

10/965,466	10/937,300
11/000,353	11/017,787
11/105,049	11/036,159
11/054,695	
10/933,677	
11/097,459	
10/929,732	
29/213,592	
10/990,106	
10/990,111	
10/990,105	
10/950,034	
10/989,710	
10/940,576	
10/939,103	
10/959,553	
10/990,635	
11/087,390	
10/943,500	
11/058,103	
11/051,493	•
11/022,048	· .
11/018,780	
10/963,838	
11/065,971	
10/984,618	
11/092,511	
11/092,199	Dlian . n.
10/938,569	-CING-0019
10/939,366	

#### SECOND AMENDMENT TO PATENT ASSIGNMENT AGREEMENT

This Second Amendment To - PATENT ASSIGNMENT AGREEMENT is made this 26th day of May, 2005 and is added to and amends the PATENT ASSIGNMENT AGREEMENT by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") f/k/a AT&T Wireless Services, Inc. as ASSIGNOR and Cingular Wireless II, Inc., a Delaware corporation as ASSIGNEE, which the Patent Assignment Agreement is dated the 27th day of October, 2004.

Schedule A is hereby amended in accordance with the attached additions.

All other provisions in the Patent Assignment Agreement and Schedule A shall remain unchanged and in full force and effect.

[signatures on following pages]

#### Executed this 26th day of May, 2005.

Assignor: New Cingular Wireless Services, Inc. f/k/a

AT&T Wireless Services, Inc.

By:
Name:
Title:

Sean Foley
Vice President, Treasurer and Corporate Development

STATE OF
COUNTY OF

On this 26th day of May, 2005, before me, a Notary Public in and for the State and County foresaid, personally appeared
to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular
Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.,

Notary Public My Commission Expires:

da S. Siles

Notary Public, Cobb County, Georgia

My Commission Expires March 16, 2008

Acknowledged this 26th day of May, 2005.

Assignee: CINGULAR WIRELESS II, INC.

By: Name:

Title:

Sean Foley

Vice President, Treasurer and Corporate Development

APPROVED

ATTORNEY

STATE OF ____COUNTY OF

000112202

On this 13th day of May, 2005, before me, a Notary Public in and for the State and

County foresaid, personally appeared <u>Sear Jole</u> known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

linda S. Giles

Notary Public, Cobb County, Georgia My Commission Expires March 16, 2008

## Schedule A (2nd Revision)

Docket	Application	Patent Number	Owner	Country	Application Date	Grant Date	Title
917 US	10/965 466		AT&T Wireless	USA	10/13/2004		Adjusting Link Layer Control Frame to Facilitate Data Throughput
504-113-01	11/000.353		AT&T Wireless	USA	11/29/2004		A Method for Programming a Mobile Station Using a Permanent Mobile Station Identifier
606 HS CP1(1)	11/105 049		AT&T Wireless	USA	4/11/2005		Secure Online Purchasing
883115	11/054 695		AT&T Wireless	USA	2/10/2005		System and Method for a Telecommunications Network
SI 000	10/033 677		AT&T Wireless	USA	9/03/2004		System and Method for Data Organization and Display in an Instant-messaging Interface
00:00	1000 A 10		AT&T Wireless	<b>4</b> 81	4/01/2005		Adaptive Dual-polarization Communication of Orthogonal Frequency Division Multiplexed Signals
785.U301	4000 400 4000 400		AT&T Wireless	Y V	8/30/2004		System and method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
936.US	29/213,592		AT&T Wireless	USA	20-Sep-2004	·	MOBILE COMMUNICATIONS DEVICE
908 	10/09/01/08		AT&T Wireless	NSA	15-Nov-2004		SUBSCRIBER INDENTITY MODULE WITH VIDEO PERMISSIONS
896.US.D1	10/990,111		AT&T Wireless	USA	15-Nov-2004		PERSONAL BASE STATION WITH WIRELESS VIDEO CAPABILITY

### Schedule A (2nd Revision)

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title
·							ME I HOU, SYSTEMS AND APPARATUS FOR PROVIDING WIRELESS IDENTIFICATION TO
863.US	10/990,105		AT&T Wireless	USA	15-Nov-2004		STANDARD TELEPHONE
886.US	10/950.034		AT&T Wireless	USA	24-Sep-2004		A STANDARDS-BASED TERMINAL LOCATION SERVER SOLUTION FOR LOCATION APPLICATIONS
893 LIS	10/989 710		AT&T Wireless	USA	15-Nov-2004		OVER THE AIR PROGRAMMING/ACTIVATION FOR SIM ENABLED DATA DEVICE
SHUE	10/940 576		AT&T Wireless	USA	14-Sep-2004	·	DEDICATED WIRELESS DEVICE BUSINESS MODEL
931118	10/939 103		AT&T Wireless	USA	10-Sep-2004		ALWAYS ON MOBILE IM / MESSAGING CENTRIC WIRELESS DEVICE
924.US	10/959.553		AT&T Wireless	USA	06-Oct-2004		IMPROVING VOICE QUALITY BASED ON CUSTOMER FEEDBACK
311020	10,000,625		AT&T Wireless	<b>V</b> SI I	17-Nov-2004		Method and System for Providing Location Information for emergency Services
156 US 020(3)	11/087 390		AT&T Wireless	USA	3/22/2005		Cyclic Trellis Coded Modulation
490 US.C1	10/943.500		AT&T Wireless	USA	9/17/2004		Methods and Systems for Communicating and Controlling Facsimile Information
577.US.C1	11/058,103		AT&T Wireless	USA	2/14/2005		System and Method for Providing an Adapter Module
577.US1	11/051,493		AT&T Wireless	USA	2/4/2005		System and Method for Providing an Adapter module
702.US.C1(2)	11/022.048		AT&T Wireless	USA	12/22/2004		Method for Frequency Division Duplex Communications
731.US.D1C2	11/018,780	,	AT&T Wireless	USA	12/21/2004		Low complexity Maximum Likelihood Detection of Concatenate space Codes for Wireless Applications

### Schedule A (2nd Revision)

Docket	Application	Patent		Country	Application		
Number	Number	Number	Owner	Name	Date	<b>Grant Date</b>	Title
735.US.C1(1)	10/963,838		AT&T Wireless	USA	10/12/2004		Maximum Ratio Transmission
							System and Method for Providing
							Location-based Services In a Wireless
							Network, Such as Providing
							Notification Regarding Meetings,
890.US	11/065,971		AT&T Wireless	USA	2/24/2005		Destination Arrivals, and the Like
							System for Providing Location-based
							Services in a Wireless Network, Such
895.US.C1	10/984,618		AT&T Wireless	NSA	11/08/2004		as Locating Sets of Desired Locations
							Using Emoticons, Such as for
927.US.C1	11/092,511		AT&T Wireless	NSA	3/28/2005		Wireless Devices
							Customer Service Messaging, Such
928.US.C1	11/092,199		AT&T Wireless	USA	3/28/2005		as on Mobile Devices
							Method and System for controlling the
-							Operation of Movable Wireless
908.US	10/938,569		AT&T Wireless	NSA	9/13/2004		Networks
							Method for Location-Based Asset
733.US.C1	10/939,366		AT&T Wireless	USA	9/14/2004		Management
							Method and System for Providing
							Data Communication with a Mobile
333.US.C1(1)	10/937,300		AT&T Wireless	USA	9/10/2004		Station
422.US.C1	11/017,787		AT&T Wireless	USA	12/22/2004		Integrated Number- Phase 1
							Method and Apparatus for Message
301.US.C1(1)	11/036,159		AT&T Wireless	USA	1/18/2005		Transmission Verification

Supporting Documentation Showing

MAY 0 4 200 Evidence of Chain of Title for Patent Applications

PADENARY following documents represent evidence of the chain of title of all AT&T Wireless application to Cingular Wireless II, LLC.

- New Cingular Wireless Services, Inc. Secretary Certificate signed by Caroline Wilder, Assistant Secretary. This document certifies the following:
  - a) Agreement and Plan of Merger was entered into by AT&T Wireless Services, Inc. (ATTW), Cingular Wireless Corporation, Cingular Wireless, LLC and Links I Corporation whereby ATTW would be merged in to Links I. Whereby ATTW would be the survivor of the merger.
  - b) A true and correct copy of the Certificate of merger filed with the Delaware Secretary of State is attached and remains in effect.
  - c) As a result of the merger, ATTW becomes a wholly owned subsidiary of Cingular Wireless, LLC.
  - d) The name of ATTW was changed to New Cingular Wireless Services, Inc. on 10/24/2004.
  - e) A true and correct copy of the name change of ATTW is attached and remains in effect.
- 2) A true and correct copy of the Certificate of Merger filed with the Delaware Secretary of State.
- 3) A true and correct copy of the name change of ATTW.
- 4) A true and correct copy of the <u>Certificate of Conversion</u> showing change of status of CWII, Inc to CWII, LLC.

#### NEW CINGULAR WIRELESS SERVICES, INC.

#### SECRETARY'S CERTIFICATE

I, Carolyn J. Wilder, do hereby certify that I am a duly elected, qualified and acting Assistant Secretary of New Cingular Wireless Services, Inc., a Delaware corporation, and as such I am authorized to execute this certificate. In such capacity, I further certify that:

- 1. An Agreement and Plan of Merger (the "Agreement") dated as of February 17, 2004 was entered into by and among AT&T Wireless Services, Inc., Cingular Wireless Corporation, Cingular Wireless LLC and Links I Corporation, a wholly-owned subsidiary of Cingular whereby AT&T Wireless Services, Inc. would be merged into Links I Corporation upon the terms and conditions of the Agreement, and AT&T Wireless Services, Inc. would be the survivor of the merger.
- 2. The merger of AT&T Wireless Services, Inc. into Links I Corporation was consummated on October 26, 2004.
- 3. The attached Exhibit "A" is a true and correct copy of the Certificate of Merger filed with the Delaware Secretary of State and that said Certificate of Merger remains in full force and effect on the date hereof.
- 4. As a result of the consummation of the merger, AT&T Wireless Services, Inc. became a wholly-owned subsidiary of Cingular Wireless LLC.
- 5. The name of AT&T Wireless Services, Inc. was changed to New Cingular Wireless Services, Inc. on October 26, 2004.
- The attached Exhibit "B" is a true and correct copy of the Certificate of Amendment to The Certificate of Incorporation of AT&T Wireless Services, Inc. changing the name of the corporation to New Cingular Wireless Services, Inc. as filed with the Delaware Secretary of State and that said Certificate of Amendment to The Certificate of Incorporation remains in full force and effect on the date hereof.

IN WITNESS WHEREOF, I have subscribed my name as Assistant Secretary of the Company this 11th day of May, 2005.

Carolyn J. Wilder, Assistant Secretary

## Delaware

PAGE :

### The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"LINKS I CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "AT&T WIRELESS SERVICES, INC." UNDER THE NAME OF "AT&T WIRELESS SERVICES, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 10:11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3434252

DATE: 10-26-04

2131363 8100M

040725208

SEVENTH: This certificate of merger shall be effective upon its filing with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, this Certificate of Merger has been executed by the undersigned, a duly aumorized officer of the Surviving Corporation, on behalf of the Surviving Corporation as of the 26th day of October, 2004.

AT&T WIRELESS SERVICES, INC.

B٧

Name: John D. 2

Mile. Chief Executive Officer

SEVENTH. Any action required or permitted to be taken by the holders of Common Stock of the corporation, including but not limited to the election of directors, may be taken by written consent or consents but only if such consent or consents are signed by all holders of Common Stock.

EIGHTH. A director of the corporation shall not be liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except to the extent that such exemption from liability or limitation thereof is not permitted under the Delaware General Corporation Law as currently in effect or as the same may hereafter be amended. No amendment, modification or repeal of this Article EIGHTH shall adversely affect any right or protection of a director that exists at the time of such amendment, modification or repeal.

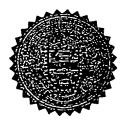
Delaware.

PAGE 1

### The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AT&T WIRELESS SERVICES, INC.", CHANGING ITS NAME FROM "AT&T WIRELESS SERVICES, INC." TO "NEW CINGULAR WIRELESS SERVICES, INC.", FILED IN THIS OFFICE ON THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 11:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3434831

DATE: 10-26-04

2131363 8100

040770545

State of Delaware Secretary of State Division of Corporations Delivered 11:23 AM 10/26/2004

### CERTIFICATE OF AMENDMENT FILED 11:01 AM 10/26/2004 TO THE SRV 040770545 - 2131363 FILE

### CERTIFICATE OF INCORPORATION OF

AT&T WIRELESS SERVICES, INC.

AT&T Wireless Services, Inc., a corporation organized and existing under and by virtue of the Delaware General Corporation Law (the "Corporation"), does hereby certify:

FIRST:

That on October 2, 2004, the Board of Directors of the Corporation adopted resolutions setting forth a proposed amendment to the Certificate of Incorporation of the Corporation, declaring said amendment to be advisable and submitting the proposed amendment to the sole stockholder of the Corporation for its consideration and approval. The proposed amendment is as follows:

NOW, THEREFORE, BE IT RESOLVED, that the Certificate of Incorporation of the Corporation be amended by deleting the first paragraph in its entirety and replacing it with a new first paragraph to read as follows:

"FIRST. The name of the corporation is New Cingular Wireless Services, Inc."

SECOND:

That thereafter on October 2, 2004, said amendment was duly adopted by written consent of the sole stockholder of the Corporation in accordance with the provisions of Sections 228 and 242 of the Delaware General Corporation Law.

[Signature on following page]

IN WITNESS WHEREOF, AT&T Wireless Services, Inc. has caused this Certificate of Amendment to be signed by a duly authorized officer this **Median** day of October, 2004.

AT&T WIRELESS SERVICES, INC.

y: <u>Carelyn A. 91</u> Name: Cardyn J. Wilder

Title Assistant Scuetar

PAGE 1

### The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "CINGULAR WIRELESS II, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "CINGULAR WIRELESS II, INC." TO "CINGULAR WIRELESS II, LLC", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 10:27 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 8:45 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Darriet Smith Hindso

0251 01007

AUTHENTICATION: 3437873

DATE: 10-27-04

3858251 8100V

040774599

Ø1007/012

State of Delaware Secretary of State Division of Corporations Delivered 10:47 AM 10/27/2004 FILED 10:27 AM 10/27/2004 SRV 040774599 - 3858251 FILE

#### CERTIFICATE OF CONVERSION OF CINGULAR WIRELESS II, INC. TO BECOME A LIMITED LIABILITY COMPANY

Pursuant to the provisions of Section 266 of the Delaware General Corporation Law and Section 18-214 of the Delaware Limited Liability Company Act, Cingular Wireless II, Inc., a Delaware corporation (the "Corporation"), submits the following Certificate of Conversion:

- 1. The name of the Corporation is Cingular Wireless II, Inc.
- 2. The date on which the Corporation's original Certificate of Incorporation was filed with the Secretary of State is September 22, 2004.
- The name of the limited liability company into which the Corporation is being converted
  is Cingular Wireless II, LLC.
- 4. The conversion has been approved by written consent of the sole stockholder of the Corporation pursuant to Section 228 of the Delaware General Corporation Law in accordance with the provisions of Section 266 of the Delaware General Corporation Law.
- 5. The conversion shall be effective at 8:45 p.m. EDT on October 27, 2004.

[Signature on following page]

IN WITNESS WHEREOF, Cingular Wireless II, Inc., has caused this Certificate of Conversion to be executed by a duly authorized officer this 27th day of October, 2004.

CINGULAR WIRELESS II, INC.

By: ______

-2-

## Delaware

PAGE 2

### The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "CINGULAR WIRELESS II, LLC" FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 10:27 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF
THE AFORESAID CERTIFICATE OF FORMATION IS THE TWENTY-SEVENTH DAY
OF OCTOBER, A.D. 2004, AT 8:45 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3437873

DATE: 10-27-04

3858251 8100V

040774599

State of Delaware Secretary of State Division of Corporations Delivered 10:47 AM 10/27/2004 FILED 10:27 AM 10/27/2004 SRV 040774599 - 3858251 FILE

### CERTIFICATE OF FORMATION OF CINGULAR WIRELESS IL, LLC

- 1. The name of the limited liability company is Cingular Wireless II, LLC.
- 2. The address of its registered office in the state of Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of its registered agent at such address is The Corporation Trust Company.
- 3. This Certificate of Formation shall be effective at 8:45 p.m. EDT on October <u>27</u>, 2004.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Cingular Wireless II, LLC this 27thday of October, 2004.

Scott L. O'Melia An Authorized Person

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#### United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS PO. Box 1450 Alexandria, Virginia 22313-1450 www.upto.gov

APPLICATION NUMBER FILING OR 371 (c) DATE FIRST NAMED APPLICANT

ATTY. DOCKET NO./TITLE

09/665,780

09/20/2000

Herman Chien

1999-0804

54499 WOODCOCK & WASHBURN LLP ONE LIBERTY PLACE **46TH FLOOR** PHILADELPHIA, PA 19103



Date Mailed: 05/05/2006

#### NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/04/2006.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

OIPE (703) 308/9010

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#### United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE UNITED STATES DEPARTMENT OF COMME United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NUMBER FIRST NAMED APPLICANT FILING OR 371 (c) DATE 09/665,780 09/20/2000

ATTY. DOCKET NO./TITLE Herman Chien 1999-0804

**CONFIRMATION NO. 6102** 

*OC000000018695507*

30083 PERKINS COIE LLP/AWS P.O. BOX 1247 SEATTLE, WA 98111-1247

Date Mailed: 05/05/2006

#### NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/04/2006.

• The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

MONICA L YOUNG

OIPE (703) 308-9010

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